



REPORT TO CITY COUNCIL

DATE: FEBRUARY 14, 2018
TO: HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL
FROM: GREG RAMIREZ, CITY MANAGER 
BY: RAMIRO ADEVA, PUBLIC WORKS DIRECTOR/CITY ENGINEER 
SUBJECT: APPROVAL OF A NEW RIGHT-OF-WAY USE AGREEMENT WITH CROWN CASTLE NG WEST, LLC

On November 8, 2017, the City Council approved a second amendment to Crown Castle NG West, LLC (Crown Castle) Right-of-Way Agreement, providing an additional three-month extension. The City's proposed new agreement had been comprehensively modified, and while under review, Crown Castle requested more time to review the new agreement. Therefore, because the previous agreement was set to expire on November 18, 2017, both parties agreed on an additional three-month extension to complete the new agreement, making the new term valid until February 18, 2018. Additionally, during the extension period, Crown Castle is not allowed to install any new antennas or supporting equipment within the public right-of-way. All other sections of the Crown Castle ROW Agreement remain unchanged, including allowing Crown Castle to continue maintaining their existing equipment in the public right-of-way.

During the extension period, staff worked in conjunction with the City Attorney, including the City's wireless consultant, on a new right-of-way agreement template and procedures. The complexities of the Telecommunications Act and new, evolving FCC rules, required staff time and effort in reviewing both draft agreements and procedural issues with these right-of-way agreements.

The new Right-of-Way Agreement is intended to establish the terms and conditions of Crown Castle's use of the right-of-way, much like the old agreement. The new agreement with Crown Castle applies only to the same facilities that were covered under the prior agreement. To date, three (3) facilities have been installed under the prior agreement. For any new facilities not covered by the Right-of-Way Agreement, Crown Castle is still required to go through the Planning Commission for conditions of approval, as required by the City's Ordinance.

In summary, the primary difference between the new and old agreements include:

- (1) The new agreement has been updated to reflect more recent changes in the law, including any changes to the City's Wireless Telecommunications Ordinance and current best practices in right-of-way management.

- (2) The license fee for the use of the City's traffic signal poles and street lights has been increased to \$1,500, with a fixed annual escalator of 4% instead of a fluctuating CPI, which is more in line with what other local agencies have implemented.
- (3) The agreement has successive ten (10) year periods after the initial term without further action by the parties, provided the applicant is in substantial compliance with the terms of the agreement, instead of the five (5) renewals initiated by a request by the applicant.
- (4) The Performance Bond has been increased to \$5,000, from the \$2,500, to cover current costs to remove equipment and restore public facilities should the applicant fail to remove upon default of the agreement.

Crown Castle has executed the new Right-of-Way Agreement, which includes exhibits providing as-built plans of the existing facilities and map showing locations. Any changes to the facilities or additions would require Crown Castle to go through Planning Commission for conditions of approval and amend the agreement by amending the exhibits through the City Council.

RECOMMENDATION

Staff respectfully recommends the City Council to approve the Crown Castle Right-of-Way Agreement.

Attachments: Crown Castle Right-of-Way Use Agreement

**RIGHT-OF-WAY USE AND TELECOMMUNICATIONS FACILITY LICENSE
AGREEMENT**

BETWEEN

THE CITY OF AGOURA HILLS

AND

CROWN CASTLE NG WEST, LLC

This Right-of-Way Use and Wireless Telecommunications Facility Maintenance and Removal Agreement (“Agreement”) is entered into as of _____, 2018 (“Effective Date”) by and between the City of Agoura Hills (“the City”), a municipal corporation, and Crown Castle NG West, LLC (“Applicant”), a Delaware Limited liability company, each a Party and collectively the “Parties.”

RECITALS

A. Applicant represents it is a telephone corporation as that term is used in Public Utilities Code Section 7901.

B. Applicant represents it holds a valid certificate of public convenience and necessity issued by the California Public Utilities Commission (the “PUC”), pursuant to PUC decision 04-11-005 as modified by PUC Decision 06-04-030.

C. Public Utilities Code Section 7901.1 authorizes cities to exercise reasonable control and adopt reasonable regulations as to the time, place, and manner in which streets, roads and highways are accessed by telephone corporations.

D. Applicant desires to use the City’s public right-of-way to locate, place, attach, install, operate, use, control, repair and maintain “Wireless Telecommunication Facilities” within the meaning of that term as defined in Section 9661.1 of the Agoura Hills Municipal Code (“Municipal Code”) and as more fully described and depicted in Exhibit A to this Agreement in the locations specifically described and diagrammed in Exhibit B (the “Installation Locations”).

E. Sections 9661.6(C)(11) and 9661.8 of the Municipal Code require all Applicants desiring to install and maintain facilities in the City’s public right-of-way to obtain a right-of-way agreement establishing the particular terms and provisions under which the right to occupy the right-of-way will be used or maintained. This Agreement is intended to satisfy the requirements of these Municipal Code sections.

F. Applicant also desires to occupy and use City-owned infrastructure for the business of providing telecommunications services, which right is a valuable economic privilege, the economic benefit of which should be shared with all taxpayers of the City.

AGREEMENT

In consideration of the terms and conditions of this Agreement and other valuable consideration, the adequacy of which is hereby acknowledged, the Parties agree as follows:

ARTICLE 1 INSTALLATION OF EQUIPMENT

1.1 Permitted Installations and Work

(a) Subject to the terms of this Agreement, the terms and rights conditions of approval (“Conditions of Approval”) of any and all required permits, Applicant may at Applicant’s sole cost and expense and during the term of this Agreement, locate, place, attach, install, operate, use, control, repair and maintain the Wireless Telecommunication Facilities in the manner and at the Installation Locations within the City’s public right-of-way more specifically depicted and described in Exhibits A and B. In the event that Applicant has knowledge of any errors or omissions in any exhibit to this Agreement or any plans submitted to the City of Wireless Telecommunication Facility subject to this Agreement, Applicant must immediately send written notice to the City.

(b) In the event and to the extent, if any, Exhibits A and B depict or describe Applicant’s use of City-owned infrastructure, City hereby grants Applicant a non-possessory and revocable license to use and occupy such infrastructure consistent with its rights under paragraph 1.1(a) of this Agreement. In addition and subject to paragraph 1.14 of this Agreement, Applicant shall have the right to draw electricity for the operation of the Wireless Telecommunications Facilities attached to City-owned infrastructure from the power source, if any, associated with each such attachment. Nothing in this Agreement is intended or shall be construed to create or grant to Applicant any leasehold or other possessory interest in any City property. Applicant expressly acknowledges that all City-owned infrastructure used by Applicant is presented “**as-is and with all faults.**” City makes no representations or warranties whatsoever, either express or implied, as to the condition or suitability of its infrastructure for Applicant’s use.

(c) Applicant shall undertake and perform any work authorized by this Agreement in a skillful and workmanlike manner, free of defects, and in strict compliance with the exhibits to this Agreement and any exhibit to this Agreement and any plans approved by the City for Wireless Telecommunication Facility subject to this Agreement.

(d) Applicant shall use only qualified, trained, and appropriately licensed personnel and contractors for all work performed under this Agreement. At least 10 business days before any Applicant commences any work under this Agreement, it shall provide City with: (1) a schedule of all activities to be performed in connection with the work; and (2) a list of the names, contractor’s license numbers, and business addresses of all contractors will perform the work.

(e) The persons designated in this paragraph shall be the Parties’ representatives for the purpose of coordinating Applicant’s work under this Agreement, including without limitation all design, engineering, construction, and installation issues that might arise. Any Party may designate another person to be its representative upon written notice to the other Party.

City's representative: Ramiro Adeva
Public Works Director
radeva@ci.agoura-hills.ca.us
818-597-7329

Applicant's representative: _____

1.2 Prohibited Installations.

(a) This Agreement does not authorize Applicant or any other entity to place in the City's public right-of-way any facilities other than those specifically depicted and described in Exhibits A and B. Any facilities not authorized by this Agreement are "Unauthorized Facilities." Before placing any such Unauthorized Facilities in the City's public right-of-way, Applicant shall first obtain all required City permits and either the City's written authorization or a written amendment to this Agreement. Nothing herein shall serve as a precedent with respect to location of facilities anywhere else within the City by Applicant or any other person.

(b) This Agreement does not authorize Applicant or any other entity to place in the City's public right-of-way any signs, notices, graphics, or advertisement in the City's public right-of-way, excepting such signs, notices, graphics, advertisements or any of these that may be otherwise required by law or this Agreement.

1.3 Compliance with Laws. Applicant shall comply with all applicable Laws in the exercise of its rights and performance of its obligations under this Agreement. "Laws" or "Law" as used in this Agreement means any and all statutes, constitutions, ordinances, resolutions, regulations, judicial decisions, rules, tariffs, administrative orders, certificates, orders, directives, judgments, decrees, permits, approvals or other applicable requirements of the City or other governmental entity or agency having joint or several jurisdiction over the Parties to this Agreement or having jurisdiction that is applicable to any aspect of this Agreement, that are in force on the Effective Date and as they may be enacted, issued or amended during the term of this Agreement.

1.4 Permits. All work performed pursuant to the rights granted in this Agreement is subject to the prior review and approval of the City in accordance with its permitting procedures. Applicant shall obtain all required permits, including without limitation, those permits listed below. If any required permit expires or is revoked, Applicant shall be in breach of a material condition of this Agreement. Applicant shall pay any and all permit, inspection, and related cost-recovery fees of the City consistent with California Government Code Section 50030, prior to performing any work within the City's public right-of-way. All work within the City's public right-of-way shall be performed in strict compliance with the applicable permits and all applicable regulatory requirements. Applicant shall promptly submit to the City accurate as-built plans and record drawings certified by a professional engineer showing in detail, the location, depth, and size of all Applicant facilities in the City's public right-of-way subject to this Agreement within ninety (90) days of completion, including any additions or alterations to the Wireless Telecommunication Facilities. Such plans shall be submitted in the form and with the detail required by the Public

Works Director and the Planning Director. Nothing in this Agreement shall prevent or prohibit the City from establishing additional reasonable conditions on any approval of Applicant's permits, nor exempt Applicant from any generally applicable annual registration requirement the City might impose.

1.5 Modification of Wireless Telecommunication Facilities Prohibited. No modification to Wireless Telecommunication Facilities is permitted unless Applicant first obtains all permits as required by applicable Laws, and either the City's written authorization or a written amendment to this Agreement. "Modification" means a change to an existing wireless telecommunications facility that involves any of the following: collocation, expansion, alteration, enlargement, intensification, augmentation, or reduction, including without limitation, changes in size, shape, color, visual design, or exterior material. "Modification" does not include repair, replacement, or maintenance if those actions do not involve a change to the existing facility involving any of the following: collocation, expansion, alteration, enlargement, intensification, augmentation, or reduction. This provision shall not be construed as a waiver of any rights Applicant has under state or federal laws. Nor shall this provision be construed as a waiver of any obligations City has under such laws, provided that in no event shall this Agreement be construed as limiting or waiving of any proprietary right City has over the use and control of City-owned infrastructure.

1.6 Performance Bond. In order to secure the performance of its obligation under this Agreement, Applicant shall provide the following security interest to the City:

(a) Prior to the commencement of any construction in the City's public right-of-way, Applicant must provide the City with a faithful performance bond in substantially the form attached hereto as Exhibit C, and naming City as obligee in an amount equal to five thousand dollars (\$5,000) to guarantee and assure Applicant's faithful performance of Applicant's obligations under this Agreement, including without limitation, Applicant's removal and/or relocation, maintenance and landscape obligations. The City shall have the right to draw on the performance bond in the event of default by Applicant or in the event Applicant fails to meet and fully perform any of its obligations under this Agreement, any City approved permit, or the Code.

(b) If Applicant modifies any of the Wireless Telecommunication Facilities, City may require a new or increased bond in an amount to be determined by the Public Works Director.

(c) Restoration of the Bond. Applicant must deposit a sum of money or a replacement instrument sufficient to restore the faithful performance bond to its original amount within thirty (30) days after notice from the City that any amount has been recovered from the faithful performance bond. Failure to restore the bond to its full amount within thirty (30) days will constitute a breach of a material condition of this Agreement.

1.7 Coordination of Work with Other Users. At least thirty (30) days prior to commencing excavation work in the City's public right-of-way pursuant to this Agreement, Applicant shall notify in writing, on a form approved by the City, other existing or potential right-of-way users ("Users") shown on the list of users maintained by the City. The notice shall describe the work to be performed, the specific right-of-way that will be used, and the time when such work will be performed. Each User receiving such notice shall have thirty (30) days from the date thereof to inform in writing Applicant and the City that such User desires to perform work jointly

with Applicant. To the extent reasonably feasible, and subject to Applicant and User entering into a written agreement for such work and/or use, Applicant shall coordinate its work with any User who timely informs Applicant that it desires to perform work jointly in the right-of-way, provided that such User obtains any required right-of-way agreement and permits from the City as required by the Code before such User installs any facilities or uses any facilities installed by Applicant on their behalf. Any work performed by Applicant on behalf of another User must be authorized by an encroachment permit issued by the City.

1.8 Use of Other City Property. This Agreement does not authorize Applicant to use any City property located outside of the City's public right-of-way depicted in Exhibit B, nor any City infrastructure located within the City's public right-of-way and owned by the City, such as traffic signal poles, street sign poles, other than what is approved under this agreement without the express written agreement of the City.

1.9 Representations and Warranties. Applicant hereby covenants, represents, and warrants the following to City for the purpose of inducing City to enter into this Agreement and to issue permits hereby, all of which shall be true as of the Effective Date of this Agreement:

(a) Applicant is a "telephone corporation" as that term is used in Public Utilities Code Section 7901.

(b) Applicant holds a valid certificate of public convenience and necessity (CPCN) issued by the PUC as set forth in the Recitals.

1.10 Conditions to Effectiveness of Agreement. The satisfaction of each and all of the conditions set out below is a condition precedent to the effectiveness of this Agreement, and a condition of Applicant's continued right to the benefits conveyed herein:

(a) Accuracy of Representations. All representations and warranties made by Applicant and set forth in this Agreement shall be accurate, true and correct on and as of the Effective Date, and shall remain so until this Agreement is terminated.

(b) Furnishing of Insurance and Performance Bond. Applicant shall have furnished evidence of the insurance and performance bond required pursuant to this Agreement, which shall remain in effect until all of the following have first occurred: (i) this Agreement has been terminated and (ii) Applicant has removed all Wireless Telecommunication Facilities from, and restored, the City's public right-of-way and/or any remaining Wireless Telecommunication Facilities have been conveyed to and accepted by the City.

(c) Effectiveness of City Council Action. City Council's approval of this Agreement shall become effective pursuant to California law on the Effective Date.

1.11 Membership In Underground Service Alert. Pursuant to Government Code Section 4216.1, Applicant shall become a member of Underground Service Alert 811.

1.12 Completion of Equipment Construction and Installation. Once all required permits are issued, Applicant shall complete the construction and installation of the Equipment in accordance with the construction schedule approved by the Public Works Director in permit, which

construction schedule may be modified from time to time with the Director of Public Works' approval.

1.13 No Interference. In the performance and exercise of its rights and obligations under this Agreement, Applicant must not interfere in any manner with the existence and operation of any public or private rights-of-way, easements, sanitary sewers, water mains, storm drains, gas mains, poles, aerial and underground electrical and telephone wires, electroliers, cable television and telecommunications facilities, utilities, or municipal property, without the express written approval of the owner or owners of the affected property or properties, except as authorized by applicable Laws or this Agreement.

1.14 Utility Charges. Applicant shall be solely responsible for payment to all utility service providers of all utility charges attributable to its Wireless Telecommunication Facilities, including but not limited to such charges attributable to electricity drawn paragraph 1.1(a) of this Agreement for the operation of Wireless Telecommunications Facilities attached to City-owned infrastructure from the power source, if any, associated with each such attachment

ARTICLE 2 LICENSE FEE

2.1 Annual License Fee. Applicant shall pay City an annual License Fee to compensate City for Applicant's use of City-owned infrastructure pursuant to Section 1.1(b) of this Agreement, due and payable for each year of the term not later than 45 days after each anniversary of the Effective Date. The annual License Fee in the first year of this Agreement shall be in the amount equal to One Thousand Five Hundred Dollars (\$1,500) for each City-owned streetlight or traffic-signal pole upon which the Wireless Telecommunications Facilities have been installed pursuant to this Agreement, and increase by 4% each year upon the anniversary of the Effective Date.

2.2 Delinquency. If Applicant fails to pay any amounts due under Section 2.1 within 30 days after the specified due date, Applicant must pay, in addition to the unpaid License Fee, a sum of money equal to one percent (1%) of the amount due for each month or fraction thereof during which the payment is due and unpaid.

ARTICLE 3 TERM AND TERMINATION

3.1 Term. The initial term of this Agreement shall be for ten (10) years after the Effective date of this Agreement and shall continue for successive ten (10) year periods without further action by the Parties provided that Applicant is in substantial compliance with the terms of this Agreement and all applicable permits and Laws. Notwithstanding the foregoing, this Agreement may be terminated upon the mutual written agreement of the Parties.

3.2 Termination of Use. Applicant may terminate its use of any or all of the Wireless Telecommunication Facilities by providing the City with sixty (60) days prior written notice. Applicant may terminate this Agreement upon providing the City with sixty (60) days prior written notice provided all of the following have first occurred: (i) Applicant has terminated use of all of its Wireless Telecommunication Facilities; and (ii) in accordance with Section 3.4 "Cessation of

Use or Abandonment” of this Agreement, Applicant has removed all Wireless Telecommunication Facilities from, and restored, the City’s public right-of-way and/or any remaining Wireless Telecommunication Facilities have been conveyed to and accepted by the City or a third party approved by the City.

3.3 Notwithstanding the foregoing provisions, City may terminate this Agreement as follows:

(a) The City may terminate this Agreement upon at least ninety (90) days’ prior written notice to Applicant if the City reasonably determines that the provisions herein interfere with the City’s use or disposal of the City’s public right-of-way or any part thereof; provided however, that where all or a portion of the Wireless Telecommunication Facilities interfere with the use or disposal of the City’s public right-of-way, and relocation is reasonably possible, the City shall reasonably allow Applicant to relocate such portion in accordance with the terms of this Agreement.

(b) The City may terminate this Agreement upon thirty (30) days’ prior written notice for Applicant’s failure or refusal to fully and promptly comply with any and all of the material conditions of this Agreement. Applicant shall have such extended periods as may be reasonably required beyond the thirty (30) day cure period to cure any such noncompliance if the nature of the cure is such that it reasonably requires more than thirty (30) days to cure, and Applicant commences the cure within such thirty (30) day period and thereafter continuously and diligently pursues the cure to completion. The City may not terminate this Agreement unless and until Applicant has failed to cure the same within the time periods provided in this Section 2.3(b).

ARTICLE 4 MODIFICATION, REMOVAL AND RELOCATION

4.1 Modification or Removal Due to Public Project. Upon receipt of a written notice and demand from City pursuant to this Paragraph 3.1, Applicant shall, at its sole cost and expense, modify, remove, and/or relocate any of the Wireless Telecommunication Facilities. Without any limitation on any other grounds the City may have under law or under this Agreement, City may require such modification, removal, and/or relocation for any of the following:

(a) Any work proposed to be done by or on behalf of the City or any other governmental agency, including without limitation, any change of grade, alignment or width of any street, sidewalk or other public facility, installation of curbs, gutters or landscaping and installation, construction, maintenance or operation of any underground or aboveground facilities such as sewers, water mains, drains, storm drains, pipes, gas mains, poles, power lines, telephone lines, cable television lines and tracks;

(b) Any interference with or adverse impact on the proper operation of City-owned facilities or any public utility service caused by any of the Wireless Telecommunication Facilities;

(c) City’s abandonment of any street, sidewalk or other public facility; and

(d) Any threat to the public health, safety, or welfare.

4.2 Modification Requiring New or Modified Permits. If City's request to modify, remove and/or relocate a Wireless Telecommunication Facility would require a new permit or modification to any existing permit, Applicant shall submit a complete application for every such permit or permit modification to the City within thirty (30) days of receipt of City's demand and notice under Paragraph 3.1. Notwithstanding the foregoing, the City's Public Works Director may require a shorter period due to Exigent Circumstances (as defined below) requiring more immediate corrective action and may authorize a longer period if it will not delay the public project; provided, however, that if Applicant timely submits its complete application for each required Permit, the length of such prescribed time period for Applicant to complete the removal and/or relocation of the Wireless Telecommunication Facilities shall be subject to the City issuing the necessary permits. Applicant shall be entitled, on Applicant's election, to either a pro-rata refund of fees paid for the original permit or to a new permit, without additional fee, at a location as close to the original location as the standards set forth in the Code allow. If Applicant fails to remove and/or relocate the Wireless Telecommunication Facilities within the prescribed time period, the City may remove the Wireless Telecommunication Facilities at the sole cost and expense of Applicant, pursuant to this Article and the Remedial Work Procedures in Article 5.

4.3 Summary Modification or Removal. In the event the Planning Director, Public Works Director, or either of their respective designees, determines that any or all of the Wireless Telecommunication Facilities must be permanently or temporarily modified and/or removed due to a dangerous condition, obstruction of the public right-of-way, or an imminent threat to public safety, or determines that other exigent circumstances require immediate corrective action (collectively, "Exigent Circumstances"), the City may cause any or all of the Wireless Telecommunication Facilities to be removed summarily and immediately without advance notice. Any such removal performed by the City in response to Exigent Circumstances, shall be without any liability to the city for any damage to Applicant that may result. City shall give Applicant notice of the removal within five (5) business days and preserve all of Applicant's property that City removes, if feasible, for up to sixty (60) days following the notice of removal. If Applicant fails to retrieve its property within such sixty (60) days, such property shall be deemed abandoned and conveyed to the City, and the City may dispose of such property without any liability for such disposal.

4.4 Removal Due to Termination.

(a) No later than one hundred twenty (120) days after termination of this Agreement for any reason, Applicant shall, at its sole cost and expense, remove the Wireless Telecommunication Facilities and restore the City's public right-of-way to its original condition, reasonable wear and tear excepted, and further excepting landscaping and related irrigation equipment, or other aesthetic improvements made by Applicant to the City's public right-of-way, at City's discretion. The removal of the Wireless Telecommunication Facilities shall be performed in compliance with the terms of this Agreement and all applicable permits and Laws, and Applicant shall obtain all required permits for such removal and related work. If Applicant fails to remove the facilities within the prescribed time period, the City may, in its sole and absolute discretion: (i) remove the Wireless Telecommunication Facilities at the sole cost and expense of Applicant, pursuant to the Remedial Work Procedures in Article 5, or (ii) deem the Wireless Telecommunication Facilities, or any part thereof, to have been abandoned and conveyed to the City.

(b) Alternatively, the City may, in its sole and absolute discretion, allow Applicant to abandon the Wireless Telecommunication Facilities, or any part thereof, in place and convey it to the City.

4.5 Cessation of Use or Abandonment.

(a) In the event the City determines that Wireless Telecommunication Facilities, or any part thereof, has either ceased operation or been abandoned for a period of ninety (90) days or more, Applicant shall, at its sole cost and expense and within the time period specified in this Section 3.4, vacate and remove the Wireless Telecommunication Facilities or the abandoned part thereof. Applicant shall also, at its sole cost and expense, restore the City's public right-of-way to its original condition, reasonable wear and tear excepted, and further excepting landscaping and related irrigation equipment, or other aesthetic improvements made by Applicant to the City's public right-of-way, at the discretion of the City. The removal of the Wireless Telecommunication Facilities shall be performed in compliance with the terms of this Agreement and all applicable permits and Laws, and Applicant shall obtain all required permits.

(b) Alternatively, the City may allow Applicant, in the City's sole and absolute discretion, to abandon the Wireless Telecommunication Facilities, or any part thereof, in place and convey it to the City.

4.6 Failure to Remove Wireless Telecommunication Facilities. If Applicant fails to remove the Wireless Telecommunication Facilities as required by the City pursuant to Sections 3.1, 3.3 or 3.4 of this Agreement, and/or the Code, within thirty (30) days after receipt of the Initial Compliance Request Notice from the City, the City in its sole and absolute discretion may do one or more of the following: (i) remove the Wireless Telecommunication Facilities at the sole cost and expense of Applicant, pursuant to Article 3 and the Remedial Work Procedures in Article 5, as applicable; (ii) call upon the faithful performance bond; (iii) deem the Wireless Telecommunication Facilities, or any part thereof, to have been abandoned and conveyed to the City; and/or (iv) pursue any other remedy permitted in the Code or applicable Law.

4.7 Undergrounding. Applicant and the City recognize that current technology does not always reasonably permit undergrounding of all components of the Wireless Telecommunication Facilities. The Applicant acknowledges and agrees that the City prefers to underground facilities in the City's public right-of-way and to have smaller and less visually intrusive wireless telecommunications facilities in the City's public right-of-way. At least thirty (30) days prior to the date of each ten-year renewal period, the City may demand that Applicant (i) place additional components of its Wireless Telecommunication Facilities underground, including without limitation, accessory equipment, and/or (ii) replace larger, more visually intrusive facilities with those that are smaller and less visually intrusive, if economically and technically feasible. Applicant shall perform all work required pursuant to this Section 3.6 in compliance with the terms of this Agreement and all applicable permits and Laws, and Applicant shall obtain all required permits. The burden will be on Applicant to prove that such undergrounding and/or replacement with smaller and less visually intrusive facilities is not feasible.

**ARTICLE 5
MAINTENANCE AND REPAIR**

5.1 Maintenance and Repair. Applicant shall, at Applicant's sole cost and expense, perform all maintenance and repairs necessary to maintain the Wireless Telecommunication Facilities in good condition and appearance, in a safe manner and without obstructing use of the public right-of-way; which obligation shall include without limitation the obligation to prompt removal of any graffiti on any of the Wireless Telecommunication Facilities. In the event any of the Wireless Telecommunication Facilities require replacement because such Wireless Telecommunication Facilities cannot be repaired, Applicant shall, at Applicant's sole cost and expense, replace the irreparable Wireless Telecommunication Facilities. Applicant shall perform any maintenance, repair, and/or replacement of Wireless Telecommunication Facilities in compliance with the terms of this Agreement and all applicable permits and Laws, and Applicant shall obtain all required permits.

5.2 Repair of Rights-of-Way. Applicant shall be responsible for any damage, ordinary wear and tear excepted, to street pavement, existing facilities and utilities, curbs, gutters, sidewalks, landscaping, and all other public or private facilities caused by Applicant's construction, installation, maintenance, access, use, repair, replacement, relocation, or removal of Applicant's Wireless Telecommunication Facilities ("Applicant's Activities"). Applicant shall promptly repair such damage and return the City's public rights-of-way and adjacent property to a safe and satisfactory condition to the City in accordance with the City's street restoration standards. All Applicant's Activities shall be in compliance with the terms of this Agreement and all applicable permits and Laws, and Applicant shall obtain all required permits for Applicant's Activities. Applicant's obligations under this Section 4.3 shall survive until which time all Wireless Telecommunication Facilities are removed from the City's public right-of-way or, if all Wireless Telecommunication Facilities are not removed, the conveyance to, and acceptance by, the City of the remaining Wireless Telecommunication Facilities.

5.3 Work In Compliance With Agreement. Applicant's Activities shall be performed in compliance with the terms of this Agreement. All Applicant's Activities shall be subject to the City's permitting procedures and shall be in compliance with the Conditions of Approval and all applicable Laws. Applicant must obtain all applicable Permits before commencing Applicant's Activities.

**ARTICLE 6
FAILURE TO PERFORM REQUIRED WORK**

6.1 If Applicant fails to remove, modify, relocate, maintain, repair, or replace the Wireless Telecommunication Facilities or perform any other work required pursuant to this Agreement (the "Remedial Work"), the City, in its sole and absolute discretion, may perform all necessary Remedial Work that Applicant has failed to perform pursuant to the procedures set forth in this Article at the sole cost and expense of Applicant without any liability to the City for any damage to such facilities that may result from City's performance of such Remedial Work excepting damage to Applicant facilities resulting from City's intentional misconduct.

6.2 Before performing such work, the City's Planning Director or the Public Works Director shall first provide Applicant with the following written notices:

(a) An initial written compliance request identifying the Remedial Work needed to comply with this Agreement and providing Applicant at least thirty (30) calendar days prior written notice to complete such Remedial Work, unless a longer period is specified herein or consented to by the City in writing, which consent shall not be unreasonably conditioned, delayed or withheld (the "Initial Compliance Request Notice"); and

(b) A follow-up notice of default specifying the Applicant's failure to perform the required Remedial Work within the specified time period and indicating the City's intent to commence such Remedial Work within ten (10) business days.

(c) If the Remedial Work is necessary to prevent a danger to persons or property, such notice period provided for in (a) above shall be reduced to three (3) days, and such notice period provided for in (b) shall be reduced to three (3) days.

6.3 Exigent Circumstances. Notwithstanding any other provision of this Agreement, the City's Planning Director or Public Works Director may cause summary removal of any or all of the Wireless Telecommunication Facilities due to Exigent Circumstances pursuant to Section 3.2 of this Agreement without any advance notice. If, in their sole and absolute discretion, the City's Planning Director or Public Works Director determines that advance notice is feasible, they may impose a shorter notice period for the notices required by Section 6.2 due to Exigent Circumstances that require immediate corrective action. Such notice may be given by telephone, electronic mail, facsimile or any similar means, or by any other method for giving notice provided in this Agreement. As part of such notice, the City shall indicate the time period after which the City may commence Remedial Work if Applicant does not complete the Remedial Work before that time period expires. However, notice by facsimile or electronic mail alone shall not be acceptable for Initial Compliance Request Notice, notices of demand, breach, default, assignment, change of notice address, or other non-exigent matters falling outside the scope of this Section 5.3.

6.4 Applicant shall reimburse the City for all reasonable costs and expenses incurred by the City pursuant to this Article, including without limitation, administrative, job supervision, legal and consultant costs ("Remedial Costs"), to perform any Remedial Work required to be performed by Applicant pursuant to this Agreement and that Applicant has failed to perform.

6.5 Within ten (10) business days of the date of written demand by the City, Applicant shall deposit payment with the City for the reasonable estimates of the Remedial Costs or Remedial Costs actually incurred by the City to complete any work required to be performed by Applicant pursuant to this Agreement and which Applicant has failed to perform within the time periods provided for in this Agreement, including any extensions agreed to in writing by the City. If Remedial Cost estimates are used, Applicant shall deposit any additional moneys to cover actual Remedial Costs incurred, as needed, within ten (10) business days of the date of such written demand by the City, and the City shall refund amounts not used if actual Remedial Costs are less than the deposited funds, within thirty (30) calendar days of the date such Remedial Work is accepted by the City.

6.6 If Applicant fails to pay the Remedial Costs estimated or incurred by the City within ten (10) business days of the date of written demand by the City as provided in Section 5.6 above, the City shall provide Applicant with a Notice to Cease Operations, which shall direct Applicant to cease operations of the Wireless Telecommunication Facilities immediately. Operations of the

Wireless Telecommunication Facilities shall remain suspended until such costs and expenses are paid to the City in full. The foregoing shall not limit the City's remedies and the City may exercise all rights under this Agreement or at Law, including without limitation, drawing on the faithful performance bond to pay the Remedial Costs.

ARTICLE 7 TAXES

7.1 Applicant agrees that it will be solely responsible for the payment of any and all lawful taxes, fees, and assessments levied on its use and maintenance of the Wireless Telecommunication Facilities. Pursuant to Section 107.6 of the California Revenue and Taxation Code, the City hereby advises, and Applicant recognizes and understands, that Applicant's use of the City's public rights-of-way may create a possessory interest subject to property taxation and that Applicant may be subject to the payment of property taxes levied on such interest. Applicant will co-operate with the Los Angeles County Assessor in providing any information necessary for the Assessor to make a property tax determination.

7.2 Applicant agrees to pay when due and prior to delinquency, all taxes, fees, and assessments, charges, excises, and exactions, whatsoever, including without limitation any possessory tax interest, that arise from or in connection with Applicant's rights and obligations under this Agreement. Applicant shall not allow or suffer any lien for any taxes, fees, and assessments, charges, excises, and exactions, whatsoever to be imposed on the Wireless Telecommunication Facilities, the City's property, or the public right-of-way.

ARTICLE 8 INDEMNIFICATION AND ENVIRONMENTAL LIABILITY

8.1 Indemnification. Applicant shall indemnify, defend, protect and hold harmless the City and its elected and appointed council members, boards, commissions, officers, officials, agents, consultants, employees and volunteers (individually an "Indemnitee," and together the "Indemnitees") from and against any and all liabilities, losses, claims, actions, suits, proceedings, judgments, settlements, penalties, fines, costs or expenses (including without limitation, interest, reasonable attorneys' fees and expert fees), causes of action or demands whatsoever against any Indemnitee, including without limitation, any injury to or death of any person or damage to property or other liability of any nature ("Claims"), to the extent arising out of, resulting from, or in any way connected with (a) Applicant's acts or omissions in performance of this Agreement, (b) the Wireless Telecommunication Facilities, (c) any work done by Applicant or Applicant's employees, officers, officials, agents, transferees, contractors or subcontractors in the public right-of-way, or (d) the use of any public right-of-way by Applicant or Applicant's employees, officers, officials, agents, transferees, contractors or subcontractors, including without limitation, any Claim to attack, set aside, void, or annul the approval of the project or this Agreement, or both, when such Claim is brought within the time period provided for in applicable state and/or local statutes. The obligation to indemnify the City under this Section 8.1 shall not apply to the extent any Claims arise out of an Indemnitee's sole negligence, willful misconduct, or criminal acts. The City shall promptly notify Applicant of any claim, action, or proceeding covered by this Section 8.1. Nothing contained in this Agreement shall prohibit the City from participating in a defense of any claim, action, or proceeding. For the defense of such claim, action, or proceeding, Applicant

shall provide counsel reasonably acceptable to the City. However, the City may at its election and at its own cost select counsel of its own choosing.

8.2 Environmental Liability. Applicant agrees to defend, indemnify and hold harmless Indemnitees from and against any and all claims, losses, liabilities, damages, demands, actions, judgments, causes of action, assessments, penalties, costs and expenses (including without limitation, the reasonable attorneys' fees, experts' costs, court costs and interest) that arise or may be asserted against Indemnitees to the extent resulting from an actual violation (collectively "Environmental Claims") by Applicant of any present and/or future federal, state and local laws (whether under common law, statute, rule, regulation or otherwise), including without limitation, the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), 42 U.S.C. §§ 9601 through 9657, inclusive; Transportation of Hazardous Materials and Wastes (HMTA), 49 U.S.C. App. §§ 1801 through 1813, inclusive; the Federal Resource Conservation and Recovery Act (RCRA), 42 U.S.C. §§ 6901 through 6992, inclusive; 40 C.F.R. Parts 260 through 271, inclusive; the California Hazardous Substance Account Act (HSAA), California Health and Safety Code §§ 25300 through 25395, inclusive; the California Hazardous Waste Control Act (HWCA); California Health and Safety Code §§ 25100 through 25249, inclusive; the Porter-Cologne Water Quality Control Act; California Water Code §§ 13000 through 13999.16, inclusive; and the Underground Storage Tank Act (USTA); California Health and Safety Code §§ 24280 through 24299.7, inclusive; all as the same may be amended from time to time, relating to the environment or to any hazardous substance, activity or material connected with the condition of the Installation Locations (collectively "Environmental Laws"). This environmental indemnity shall survive the expiration or termination of this Agreement as to Applicant's activities taking place or occurring on or about the Installation Locations. This provision is in addition to, and does not limit, the obligations set forth in Section 8.1 of this Agreement.

8.3 The provisions of this Article shall not terminate or expire, and shall survive the expiration or earlier termination of this Agreement, and shall be given the broadest possible interpretation.

ARTICLE 9 INSURANCE

9.1 Minimum Insurance Requirements. Applicant shall obtain and maintain at its sole cost and expense for the duration of this Agreement insurance pursuant to the terms and conditions described in this Article.

(a) **Minimum Insurance.** Applicant shall at all times during the term of this Agreement carry, maintain, and keep in full force and effect, insurance as follows:

(i) **General Liability:** A policy or policies of Public Liability Insurance, with minimum limits of \$2,000,000 per occurrence and \$4,000,000 in the aggregate that fully protects the City from claims and suits for bodily injury, personal injury, death, loss and property damage resulting from wrongful or negligent acts by Applicant. The required limits may be met by a combination of primary and excess or umbrella insurance.

(ii) **Automobile Liability:** A policy or policies of vehicle liability insurance covering personal injury and property damage, with minimum limits of \$1,000,000 combined

single limit per accident for bodily injury and property damage covering any vehicle utilized by Applicant in performing the work covered by this Agreement.

(iii) Workers' Compensation and Employer's Liability: Workers' compensation limits as required by the Labor Code, and Employer's Liability minimum limits of \$1,000,000 per accident.

(iv) The insurance required by this Article shall be subject to review and approval by the City's Risk Manager in accordance with the Code, which reasonable approval will not be unreasonably withheld or delayed.

(b) and Self-Insured Retentions. Applicant shall notify City of any self-insured retentions, which shall not exceed \$25,000.

(c) Other Insurance Provisions. The policies shall contain, or be endorsed to contain, the following provisions:

(i) The City, and its elected and appointed council members, boards, commissions, officers, officials, agents, consultants, employees and volunteers shall be named as additional insureds on all required insurance policies, except for Workers' Compensation and Employer's Liability policies.

(ii) Applicant's insurance coverage shall be primary insurance as respects the City, and its elected and appointed council members, boards, commissions, officers, officials, agents, consultants, employees, and volunteers. Any insurance or self-insurance maintained by the City, its elected and appointed council members, boards, commissions, officers, officials, employees, agents or volunteers shall be excess of Applicant's insurance and shall not contribute with it.

(iii) Any failure of Applicant to comply with reporting provisions of the policies shall not affect coverage provided to the City, its elected and appointed council members, boards, commissions, officers, officials, agents, consultants, employees, or volunteers.

(iv) Applicant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

(v) Each insurance policy required by this Agreement shall be endorsed to provide thirty (30) days' prior written notice of cancellation when the insurer cancels for any reason other than non-payment of premium be given to the City. If for any reason insurance coverage is canceled or, reduced in coverage or in limits, the Applicant shall, within two (2) business days of notice from insurer, notify the City by phone or fax of the changes to or cancellation of the policy and shall confirm such notice via certified mail, return receipt requested.

(vi) Each insurance policy required by this Agreement shall include provisions for waiver of subrogation. The insurer shall agree to waive all rights of subrogation against the City and its elected and appointed council members, boards, commissions, officers, officials, agents, consultants, employees and volunteers. Applicant hereby waives all rights of subrogation

against the City and its elected and appointed council members, boards, commissions, officers, officials, agents, consultants, employees and volunteers.

(d) **Acceptability of Insurers.** Insurance shall be placed with insurers with an A.M. Best's rating of no less than A:VII in the latest edition of A.M. Best's Insurance Guide.

(e) **Verification of Coverage.** Applicant shall furnish the City with certificates of insurance and with copies of original policy endorsements effecting coverage required by this Article. The certificates and endorsements for each insurance policy are to be signed by a person, either manually or electronically, authorized by that insurer to bind coverage on its behalf. All certificates and applicable endorsements are to be received and approved by the City before work commences.

(f) **Indemnification Not Limited.** Any insurance required to be obtained and maintained by Applicant under this Agreement shall not limit in any way Applicant's indemnification obligations under Article 8 of this Agreement.

9.2 In the event Applicant hires any subcontractors, independent contractors or agents ("Secondary Parties") to locate, place, attach, install, operate, use, control, replace, repair or maintain the Wireless Telecommunication Facilities, Applicant shall require the Secondary Parties to obtain and maintain the insurance commensurate to the work such Secondary Parties perform and in compliance with the Applicant's qualified vendors insurance requirement. It shall be Applicant's responsibility to ensure compliance with this Section.

ARTICLE 10 MISCELLANEOUS PROVISIONS

10.1 Uses Subordinate. This Agreement is not a grant by the City of any property interest nor shall Applicant claim under this Agreement any property interest in the City's public rights-of-way. This Agreement shall not create a vested right of any nature in Applicant to use the City's public rights-of-way and Applicant's use of the City's public right-of-way under this Agreement shall not give rise to any vested right. Nothing in this Agreement shall be construed as granting Applicant a franchise. Subject to the provisions of any applicable Law, any and all rights granted to Applicant by and through this Agreement are subject and subordinate to the prior and continuing right of the City and its assigns, licensees, and permittees to use any and all of the public rights-of-way for any lawful use, including without limitation, laying, installing, maintaining, protecting, replacing, and removing, sewers, water mains, drains, storm drains, pipes, gas mains, poles, overhead and underground electric lines, telephone lines, cable television lines, and other utility and municipal uses, together with appurtenance thereof and with right of ingress and egress, along, over, across, and in the City's public right-of-way. Any and all rights granted to Applicant by and through this Agreement are further subject to all deeds, easements, dedications, conditions, covenants, restrictions, encumbrances and claims of title that may affect the public rights-of-way. Applicant shall be solely responsible for obtaining all necessary permits and approvals from all public and private entities. Applicant shall have the duty to remove, relocate, and rearrange the Wireless Telecommunication Facilities in accordance with the terms of this Agreement.

10.2 Notices. All notices that shall or may be given pursuant to this Agreement shall be in writing and personally served or transmitted through first class United States mail, or by private delivery systems, postage prepaid, to the following address or such other address of which a party may give written notice:

If to City: City of Agoura Hills
30001 Ladyface Court
Agoura Hills, CA 91301
Attention: City Manager

With a copy to:
City of Agoura Hills
30001 Ladyface Court
Agoura Hills, CA 91301
Attention: Agoura Hills City Attorney

If to Applicant:
Crown Castle NG West LLC
c/o Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
Attn: Ken Simon, General Counsel

With a copy to:
Crown Castle NG West LLC
c/o Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
Attn: SCFS Contracts Management

Any notice required or provided for under this Agreement shall be deemed served at the time of personal service. Mailed notices will be deemed served five days after the date of mailing.

10.3 Limitation of Liability.

(a) Except as may otherwise be required by Section 8.1 above, Applicant shall in no event be liable to the City for any special, consequential, or punitive damages, or penalties of any description in connection with, or resulting from this Agreement or any alleged default or breach of this Agreement.

(b) Except for the cost to repair any damage to the Wireless Telecommunications Facilities to the extent arising from or caused by the negligent or willful misconduct of the City, its agents, or employees, the City shall in no event be liable to Applicant for any loss or damages, including but not limited to any special, consequential, or punitive damages, or penalties of any description, in connection with, or resulting from this Agreement or any alleged default or breach of this Agreement.

10.4 Attorneys' Fees. If legal action is brought by either party because of a breach of this Agreement or to enforce a provision of this Agreement, the prevailing party is entitled to recover reasonable attorneys' fees and court costs.

10.5 Assignment.

(a) This Agreement is binding upon the successor and assigns of the Parties and may be assigned in its entirety, provided, however, that Applicant shall remain liable for any outstanding obligations incurred prior to such assignment.

(b) Applicant shall provide thirty (30) days' prior written notice to City prior to any assignment of the Wireless Telecommunication Facilities or any part thereof; provided: (i) no assignment shall be effective before Applicant has completed construction of all of the Wireless Telecommunications Facilities covered by this Agreement unless and until City provides its written consent, which consent may be withheld or subject to conditions; and (ii) no assignment shall be effective at any time unless and until the Assignee agrees in writing to comply with and be subject to all the terms and conditions of this Agreement and the Code. The assignment, transfer, or delegation of the rights and obligations of Applicant hereunder in their entirety to Applicant's financially viable parent, subsidiary, successor, or affiliate under common control shall not require consent and shall be effective upon written notice to the City.

(c) Notwithstanding the above, Applicant may in the ordinary course of its business without prior written notice to the City: (i) lease the Wireless Telecommunication Facilities, or any portion thereof, to another person, (ii) grant an indefeasible right of user interest in the Wireless Telecommunication Facilities or any portion thereof to another person, or (iii) offer or provide capacity or bandwidth from the Wireless Telecommunication Facilities to another person; provided that whether Applicant does any of these three things, it must at all times retain exclusive control over the Wireless Telecommunication Facilities and remain responsible for locating, servicing, repairing, maintaining, replacing, relocating, or removing the Wireless Telecommunication Facilities pursuant to the provisions of this Agreement.

10.6 Binding Effect. This Agreement shall be binding upon and inure to the benefit of the Parties and their respective heirs, legal representatives, successors, assigns and transferees.

10.7 Entire Agreement; Modification; Waiver. This Agreement constitutes the entire agreement between the Parties relating to the subject matter hereof. All prior and contemporaneous agreements, representations, negotiations, and understandings of the Parties, oral or written, relating to the subject matter hereof, are merged into and superseded by this Agreement. Any modification or amendment to this Agreement shall be of no force and effect unless it is in writing and signed by the Parties. No waiver of any of the provisions of this Agreement shall be deemed, or shall constitute, a waiver of any other provision, whether or not similar. No waiver or consent shall constitute a continuing waiver or consent or commit either party to provide a waiver in the future except to the extent specifically set forth in writing. No waiver shall be binding unless executed in writing by the party making the waiver.

10.8 Police Power. Nothing contained herein shall be deemed to limit, restrict, amend or modify, nor to constitute a waiver or release of, any Laws of the City, its departments, commissions, agencies, and boards and the officers thereof, including, without limitation, any

general plan or any zoning ordinances, or any of the City's duties, obligations, rights or remedies thereunder or pursuant thereto or the general police powers, rights, privileges and discretion of the City in the furtherance of the public health, welfare, and safety of the inhabitants of the City of Agoura Hills, including, without limitation, the right under law to make and implement independent judgments, decisions, and acts regarding planning and development matters (including, without limitation, approval or disapproval of plans, modification or revocation of conditional use permits, and issuance or withholding of building permits) whether or not consistent with the provisions of this Agreement, or any other documents contemplated hereby (collectively, "City Rules and Powers"). In the event of any conflict, inconsistency, or contradiction between any terms, conditions, or provisions of this Agreement or such other documents, on the one hand, and any such City Rules and Powers, on the other hand, the latter shall prevail and govern in each case. This Section shall be interpreted for the benefit of the City.

10.9 Severability. If any one or more of the provisions of this Agreement shall be held by a court of competent jurisdiction in a final judicial action to be void, voidable, or unenforceable, such provision or provisions shall be deemed separable from the remaining provisions of this Agreement and shall in no way affect the validity of the remaining portions of this Agreement.

10.10 Governing Law. This Agreement shall be interpreted and enforced according to, and the Parties rights and obligations governed by, the domestic law of the State of California, without regard to its laws regarding choice of applicable law. Any proceeding or action to enforce this Agreement shall occur in the federal court with jurisdiction over Los Angeles County and the state courts located in Los Angeles County, California.

10.11 Survival of Terms. All of the terms and conditions in this Agreement related to payment, removal due to termination, indemnification, pollution liability, uses subordinate, limits of City's liability, attorneys' fees and waiver shall survive termination of this Agreement.

10.12 Captions and Paragraph Headings. Captions and paragraph headings used herein are for convenience only. They are not a part of this Agreement and shall not be used in construing this Agreement.

10.13 Enforcement. Notwithstanding any other provision of this Agreement and at the discretion of the City Attorney and City Prosecutor, Applicant's failure to materially comply with the terms and conditions of this Agreement may result in (i) City's reasonable and lawful withholding of any new construction permits related to the Wireless Telecommunication Facilities, (ii) enforcement pursuant to the Code (iii) revocation or modification in accordance with the Code of any permit related to the Wireless Telecommunication Facilities and/or (iv) any other remedies available to the City at law or in equity.

10.14 Exhibits. All Exhibits referenced in this Agreement are hereby incorporated as though set forth in full herein.

10.15 Drafting. The Parties agree that this Agreement is the project of joint draftsmanship and that should any of the terms be determined by a court, or in any type of quasi-judicial or other proceeding, to be vague, ambiguous and/or unintelligible, that the same sentences, phrases, clauses or other wording or language of any kind shall not be construed against the

drafting party in accordance with California Civil Code Section 1654, and that each party to this Agreement waives the effect of such statute.

10.16 Execution in Counterparts. This Agreement may be executed in one or more identical counterparts and all such counterparts together shall constitute a single instrument for the purpose of the effectiveness of this Agreement.

10.17 Authority to Execute This Agreement. Each person or persons executing this Agreement on behalf of a Party, warrants and represents that he or she has the full right, power, legal capacity and authority to execute this Agreement on behalf of such Party and has the authority to bind such Party to the performance of its obligations under this Agreement without the approval or consent of any other person or entity.

[Signatures Begin on Following Page]

IN WITNESS WHEREOF, the Parties have signed this Agreement as of the date stated in the introductory clause.

CITY

City of Agoura Hills,
a municipal corporation

By: _____
Mayor

ATTEST:

City Clerk

APPROVED AS TO FORM:

City Attorney

APPLICANT

Crown Castle NG West, LLC
a Delaware limited liability company

By: _____

Name: _____

Title: _____

By: _____

Name: _____

Title: _____

If the Applicant is a corporate entity, signatures from two corporate officers are required. One signature must be from any officer in Group A, and one signature must be from any officer in Group B as follows:

Group A: The chairman of the board, the president, or any vice president

Group B: The secretary, any assistant secretary, the chief financial officer, or any assistant treasurer of the corporation.

All signatures on behalf of Applicant must be acknowledged before a notary public. Attach appropriate acknowledgment.

EXHIBIT A

WIRELESS TELECOMMUNICATION FACILITIES

Attached behind this page descriptions and depictions of all facilities covered by this Agreement.

Exhibit A

MPC1003CATDOK-01

METRO LOS ANGELES NODE DESIGN
NODE DEPLOYMENT THOUSAND OAKS (TDOK01)
AGOURA RD

GENERAL NOTES

- APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED.
- UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE ENGINEERING DEPARTMENT.
- THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE CITY OF AGOURA HILLS DOES NOT AUTHORIZE THE SUBMITTER AND OWNER TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT OF 1973 AND AMENDMENTS THERE TO (16 USC SECTION 1531 ET SEQ.)
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROL POINT MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FURNISHED AS REQUIRED BY THE PROFESSIONAL LAND SURVEYOR'S ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF AGOURA HILLS FIELD SURVEY SECTION MUST BE NOTIFIED, IN WRITING, AT LEAST 10 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.
- IMPORTANT NOTICE: SECTION 4219 OF THE GOVERNMENT CODE; REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT ID, NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO DAYS BEFORE YOU DIG.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE POT-HOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN A MINIMUM VERTICAL CLEARANCE.
- CONTRACTOR SHALL SUBMIT TO THE CITY OF AGOURA HILLS, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO COMMENCING CONSTRUCTION.
- CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY CITY OF AGOURA HILLS, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF ALL SEWER, WATER, AND TELEPHONE MAIN INCLUDING ALL CROSSINGS.
- THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- AS BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT.
- "PUBLIC IMPROVEMENT SUBJECT TO DISRUPTION OR DAMAGE" IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OF-WAY, SATISFACTORY TO THE PERMIT-ISSUING AUTHORITY.
- PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARK-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE CITY OF AGOURA HILLS FIELD ENGINEERING DIVISION.
- The contractor is responsible to attend the City of Agoura Hills monthly utility coordination committee prior to the commencement of any construction shown on these plans. It is the sole responsibility of the contractor to coordinate the construction activities with the City and all other contractors so that no trench is cut within any of the City streets that have been constructed, repaired, or altered within three years of the street construction/relaying date.
- MANHOLES OR COVERS SHALL BE LABELED "NAME OF COMPANY"
- CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROGRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES. THE PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD.
- THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.

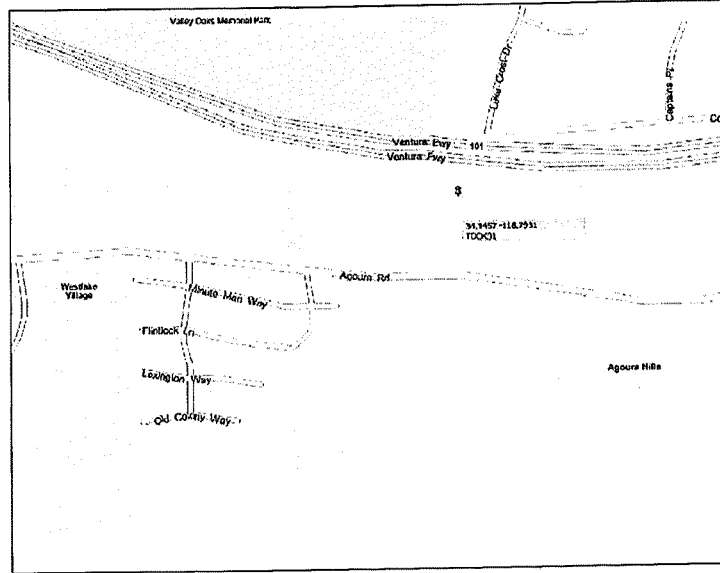
SPECIAL NOTES:

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR IMPLEMENTATION.

- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS & WATER SERVICES TO INDIVIDUAL LOTS WITH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING CONSTRUCTION OPERATIONS.
- CONTRACTOR SHALL MARK EXISTING EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
- LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO CONSTRUCTION OF NEW WORK.
- GRADES SHOWN ARE FINISH GRADES. CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE VARIATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS EQUIPMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, ACCEPTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY ORDERS.
- THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD SURVEY. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSINGS IN ACCORDANCE WITH SECTION 5.0 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE POT-HOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN A MINIMUM VERTICAL CLEARANCE.
- AS BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT.

SHEET INDEX:

TITLE SHEET	SHEET 1 OF 4
AGOURA RD (TDOK01)	SHEET 2 OF 4
IN FILES	SHEET 3 OF 4
DETAILS	SHEET 4 OF 4



TRAFFIC CONTROL NOTES

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A ROAD OR ALLEY CLOSURE.

LEGEND		
ITEM	STANDARD DRAWING	SYMBOL
EXISTING		
EXISTING SERVICE POLE		⊗

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- ALL REQUIREMENTS OF THE CITY OF AGOURA HILLS LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- FOR STORM DRAIN INLETS, PROVIDE A GRAVEL SAND SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- FOR INLETS LOCATED AT SLOPES ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 100' FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. CHANEL BAGS OR DIKES.
- THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEMS DUE TO CONSTRUCTION ACTIVITY.
- THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- THE CONTRACTOR SHALL MOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES AS WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OR-FLOODING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRAFFIC TO AREAS WHERE IMPOUNDED WAVERS CREATE A HAZARDOUS CONDITION.
- ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT.
- THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND CRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION/SEDIMENT CONTROL MEASURES.

CONSTRUCTION CHANGE TABLE		
CHANGE	DATE	DESCRIPTION OR ADDED SHEET NUMBERS

PRIVATE CONTRACT
IMPROVEMENT PLANS FOR:

METRO LOS ANGELES NODE DESIGN
NODE DEPLOYMENT THOUSAND OAKS (TDOK01)
AGOURA RD

CITY OF AGOURA HILLS, CALIFORNIA
DEVELOPMENT SERVICES DEPARTMENT

DATE: 01/11/2024
DRAWN BY: J. J. JONES
CHECKED BY: J. J. JONES
DATE: 01/11/2024

FOR CITY ENGINEER: DATE: 01/11/2024

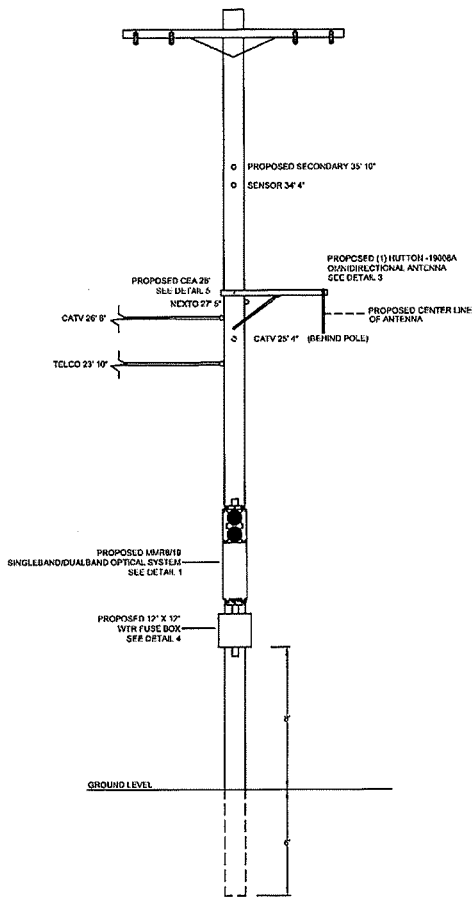
REVISION	BY	APPROVED	DATE	REASON

CONTRACTOR: DATE STARTED: 01/11/2024
SUPERVISOR: DATE COMPLETED: 01/11/2024

1 OF 4

POLE PROFILE

N.T.S.

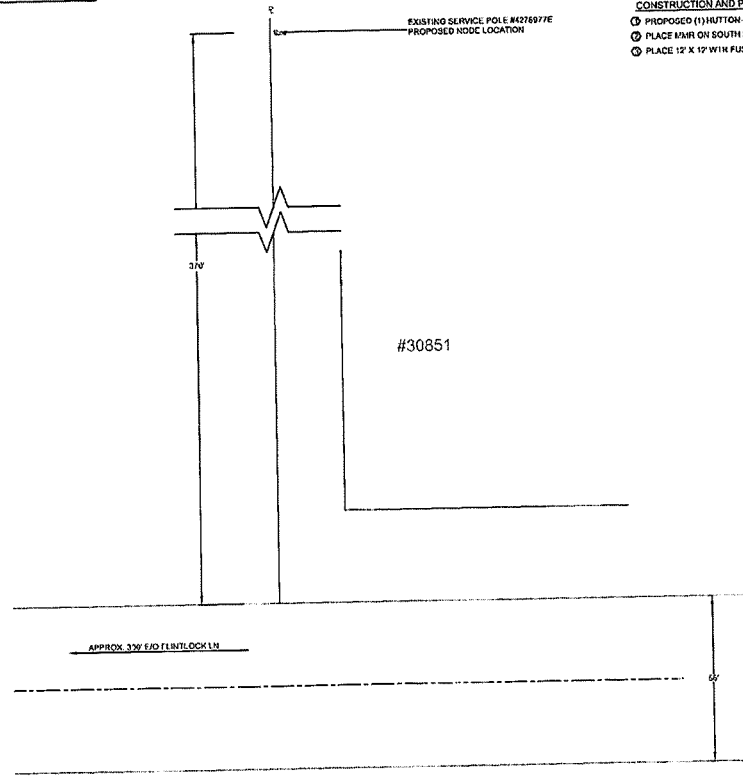


POLE # 4278977E
LOOKING NORTH

"CONTRACTOR TO REPAIR DAMAGED PUBLIC IMPROVEMENTS TO THE SATISFACTION OF THE CITY RESIDENT ENGINEER"

NODE TDOK01 COORDINATES	
LATITUDE:	34.14573
LONGITUDE:	-118.78308

- CONSTRUCTION AND PLACEMENT DATA**
- ⊙ PROPOSED (1) HUTTON 19008A ANTENNA AND GEA
 - ⊙ PLACE EMB ON SOUTH SIDE OF POLE
 - ⊙ PLACE 12' X 12' WITH FUSE BOX BELOW MWR



AGOURA RD

PRIVATE CONTRACT

IMPROVEMENT PLANS FOR:

METRO LOS ANGELES NODE DESIGN
NODE DEPLOYMENT THOUSAND OAKS (TDOK01)
AGOURA RD

CITY OF THOUSAND OAKS, CALIFORNIA
DEVELOPMENT SERVICES DEPARTMENT

DRAWN BY: COASTAL COMMUNICATIONS, INC. 3550 Moorpark Ave Ste 151 Danvers, Ca 95934 Tel: (760) 754-9219 Fax: (760) 754-9200

DATE: 08/25/04

DESCRIPTION	BY	APPROVED	DATE	FILED	APPROVAL AUTHORITY
ORIGINAL	CCI				COMMUNICATIONS SUPERVISOR

CONTRACTOR: DATE STARTED: DATE COMPLETED:

INSPECTOR: DATE COMPLETED:

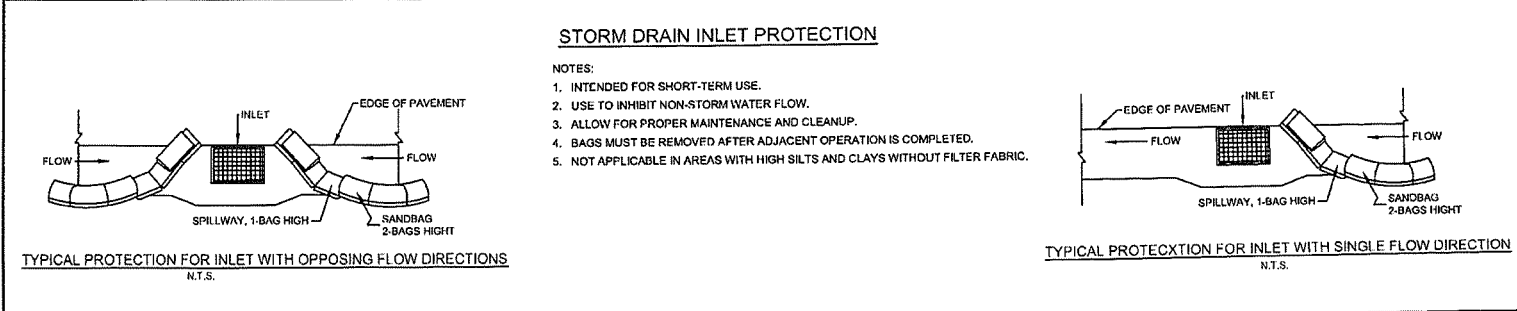
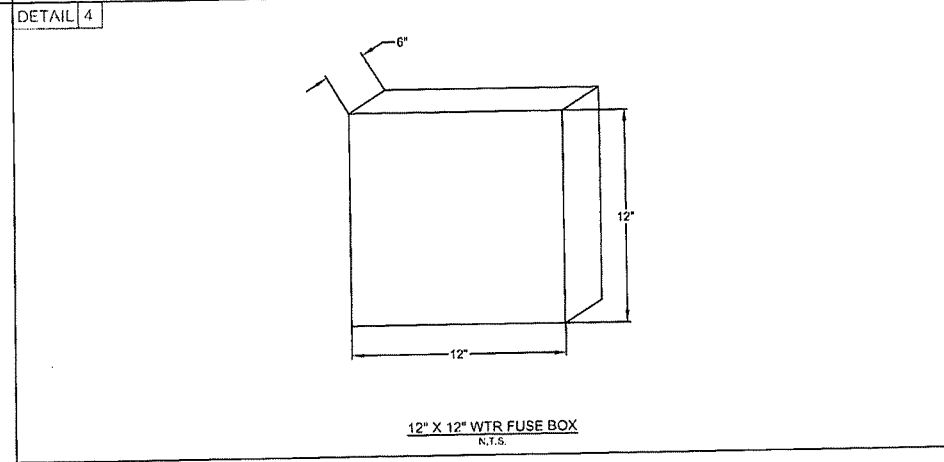
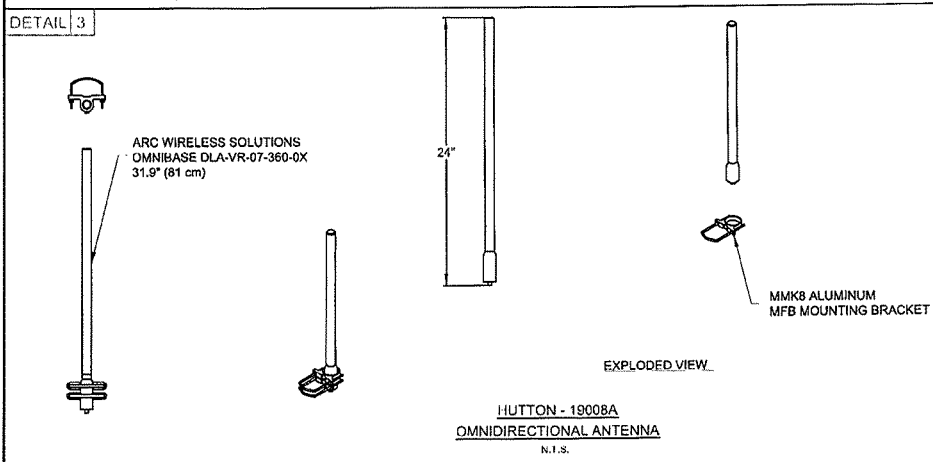
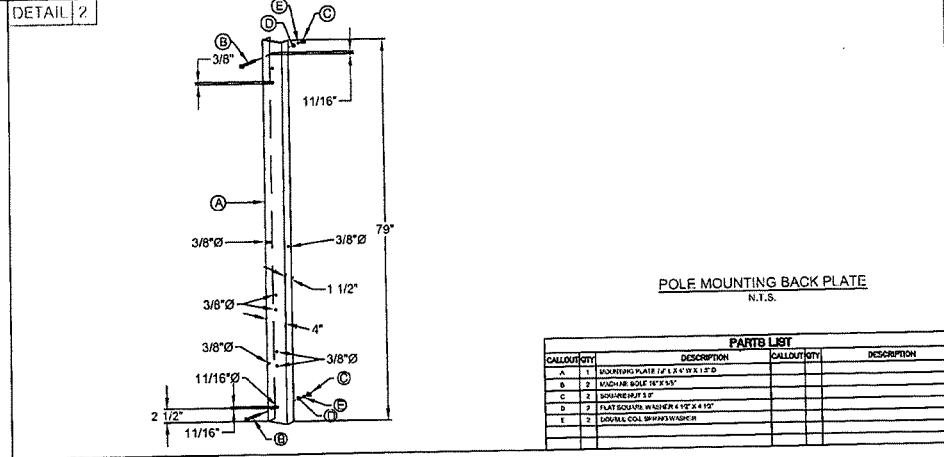
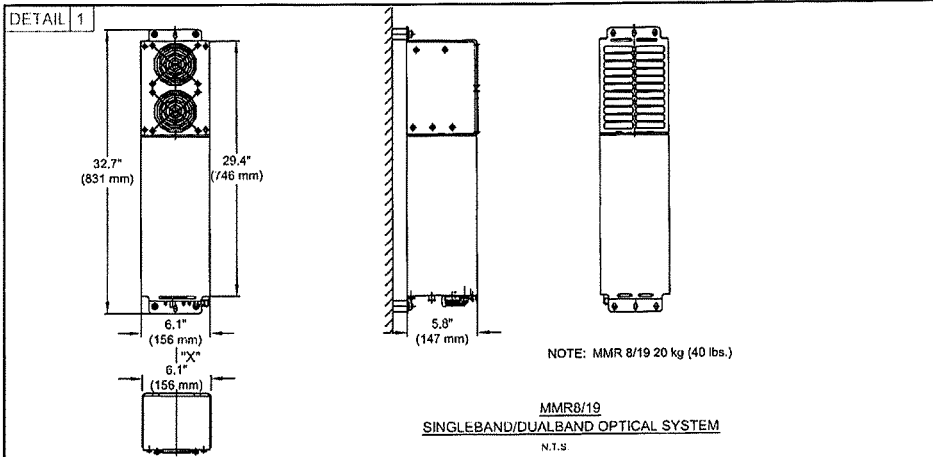
2 OF 4



1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU GO

UNDERGROUND SERVICE ALERT OF OULDS

TICKET #



IMPROVEMENT PLANS FOR:

METRO LOS ANGELES NODE DESIGN
NODE DEPLOYMENT (DETAILS)
ANTENNA TYPE 19008A

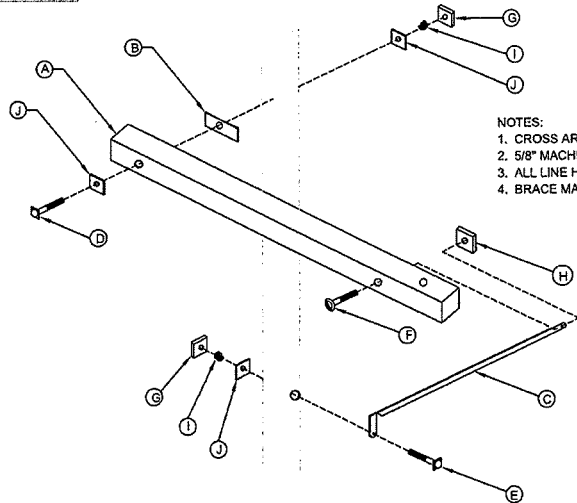
DEVELOPMENT SERVICES DEPARTMENT

CONTRACT: COASTAL COMMUNICATIONS, INC.
3335 184th Ave SW Ste 131
Duwamish, WA 98024

DATE: 1st 01/20 254-8200
Fax: (206) 754-8792

FOR CITY ENGINEER: DATE: APPROVED: DATE: FILE NO: AS/MS/LS: PROJECT NUMBER: 033_0000120001 PLAN NO: 3 OF 4

DETAIL 5

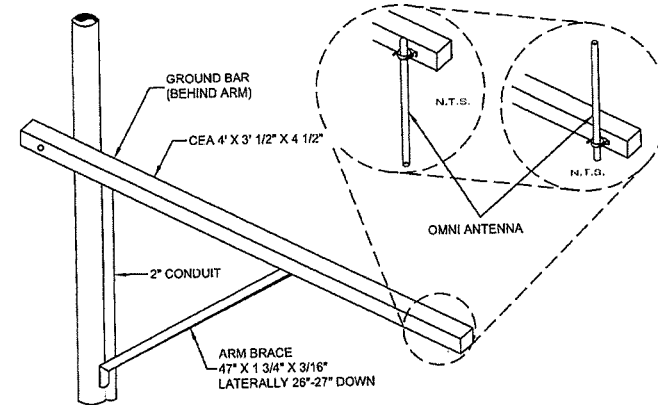


- NOTES:
 1. CROSS ARM AND BRACE MAY VARY IN LENGTH AND DIMENSION.
 2. 5/8" MACHINE BOLTS WILL VARY DUE TO POLE DIAMETER.
 3. ALL LINE HARDWARE TO BE HOT DIPPED GALVANIZED IRON.
 4. BRACE MAY BE REVERSED DUE TO POLE CONDITIONS.

SINGLE CROSS EXTENSION ARM
N.T.S.

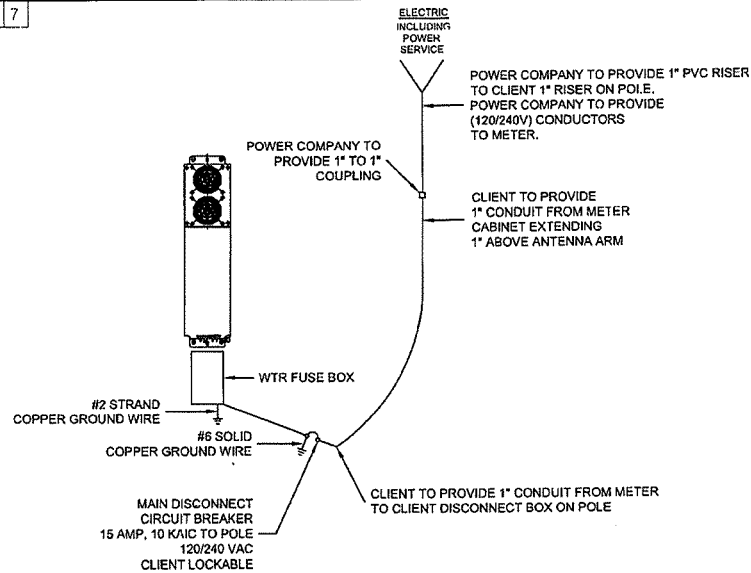
PARTS LIST		
CALLOUT	QTY	DESCRIPTION
A	1	WOOD CROSS ARM 4" X 3 3/4" X 4 1/2"
B	1	GAN PLATE 1 1/2" X 4 1/2"
C	1	EXTENSION ARM BRACE 47" X 1 3/4" X 2 1/8"
D	1	MACHINE BOLT 1/2" X 2 1/2"
E	1	MACHINE BOLT 1 1/4" X 5/8"
F	1	CARRIAGE BOLT 6" X 1/2"
G	2	SQUARE NUT 5/8"
H	1	SQUARE NUT 1/2"
I	2	DOUBLE COIL SPRING WASHER
J	3	FLAT SQUARE WASHER 2 1/4" X 2 1/4" X 3/16"

DETAIL 6



SINGLE EXTENSION WITH OMNI ANTENNA
FULL ASSEMBLY ANTENNA
N.T.S.

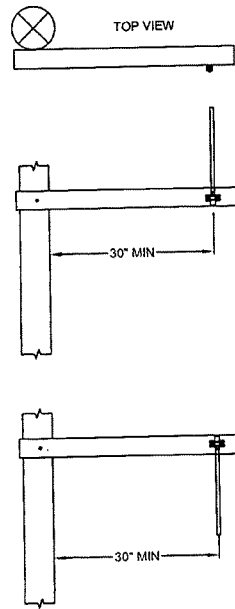
DETAIL 7



- POWER COMPANY TO PROVIDE 1" PVC RISER TO CLIENT 1" RISER ON POLE.
- POWER COMPANY TO PROVIDE (120/240V) CONDUCTORS TO METER.
- CLIENT TO PROVIDE 1" CONDUIT FROM METER CABINET EXTENDING 1" ABOVE ANTENNA ARM
- CLIENT TO PROVIDE 1" CONDUIT FROM METER TO CLIENT DISCONNECT BOX ON POLE

ELECTRIC SINGLE LINE DIAGRAM
N.T.S.

DETAIL 8



ANTEL WPA-80080/2
ANTENNA DETAIL
N.T.S.

IMPROVEMENT PLANS FOR:

METRO LOS ANGELES NODE DESIGN
NODE DEPLOYMENT (DETAILS)
ANTENNA TYPE 19008A

DEVELOPMENT SERVICES DEPARTMENT

DRAWN BY: COASTAL COMMUNICATIONS, INC. 3325 Mission Ave Ste. 151, San Jose, CA 95128 Tel: (415) 754-9240 Fax: (415) 754-9299

FOR CITY ENGINEER	DATE	FOR CLIENT	DATE

DATE STARTED: _____ DATE COMPLETED: _____

4 OF 4

Exhibit A

CROWN CASTLE NG WEST, LLC

MPC1048CA-TDOK11m1

**ROW ADJACENT TO 5709 KANAN RD
POLE NUMBER: EXISTING TRAFFIC LIGHT**

GENERAL NOTES

- APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED.
- UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE ENGINEERING DEPARTMENT.
- THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENGINEERING SPECIES ACT OF 1971 AND AMENDMENTS THEREOF (16 USC SECTION 1551 ELSA).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DESTROYED OR DESTROYED, THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED, IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.
- IMPORTANT NOTICE:** SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT ID NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO DAYS BEFORE YOU DIG.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLES AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1" MINIMUM VERTICAL CLEARANCE.
- CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO COMMENCING CONSTRUCTION.
- CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF ALL SEWER, WATER, AND STORMWATER MAIN INCLUDING ALL CROSSINGS.
- THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT.
- PUBLIC IMPROVEMENTS SUBJECT TO DISRUPTION OR DAMAGE. IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OF-WAY, SATISFACTORY TO THE PERMITTING AUTHORITY.
- PRIOR TO ANY RESTORATION TO THE SITE, EXCLUDING UTILITY MATHS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIVISION.
- PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE CONTRACTOR TO BE RESPONSIBLE TO NOTIFY THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRUCTION/RESURFACING DATE.
- MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROGRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES. THE PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD.
- THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.

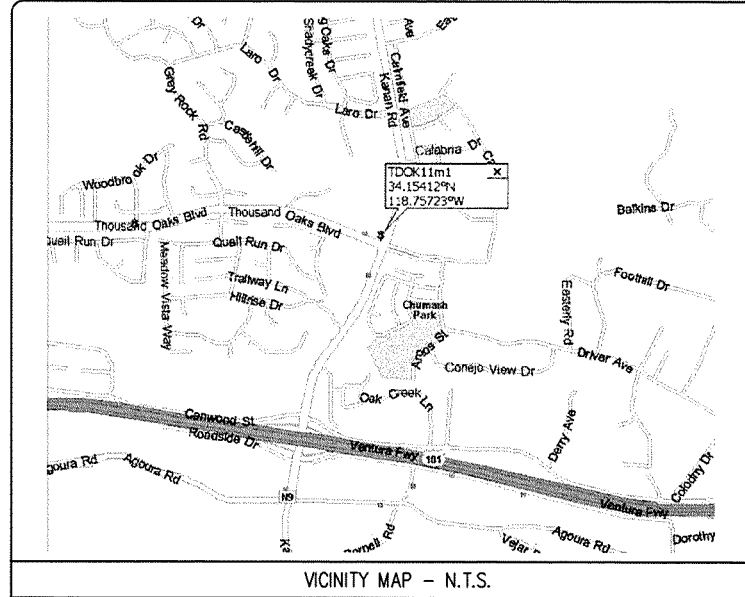
SPECIAL NOTES

- THE FOLLOWING NOTES ARE PROVIDED TO ONE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.
- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER SERVICES TO INDIVIDUAL LOTS BOTH VERTICALLY AND HORIZONTALLY PRIOR TO COMMENCING WORK/OPERATIONS.
 - CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
 - LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO CONSTRUCTION OF NEW WORK.
 - GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
 - CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS PROVISION SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE CONTRACTOR.
 - THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY ORDERS.
 - THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
 - THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 3-2 OF THE STANDARD SPECIFICATION.
 - THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLES AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1" MINIMUM VERTICAL CLEARANCE.
 - AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT.

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER DRAINAGE" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WQCP).
- FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS LOCATED ON DETAILS.
- FOR INLETS LOCATED ON SLOPES ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00' FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
- THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL UNLINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT.
- THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION/SEDIMENT CONTROL MEASURES.
- THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL.



VICINITY MAP - N.T.S.

SYMBOLS, LINETYPES AND HATCH PATTERNS			
—+—	GROUND BUS BAR	⊙	LIGHT POLE
•	MED. GRND. CONN.	⊙	FOUNDATION
•	KNOWLED	⊙	SPOT ELEV.
⊠	ELECTRIC BOX	⊙	SET POINT
⊠	TELEPHONE BOX	⊙	REVISION
⊠	EXISTING SERVICE POLE	⊙	WORK POINT
⊠	SIDEWALK FLAG	⊙	TELE. CONDUIT
⊠	EX. MANHOLE	⊙	CENTERLINE
⊙	DETAIL REF.	—+—	ELECT. CONDUIT
		—+—	COAXIAL CABLE
		—+—	INVERTS PEDESTAL VALVE STANDARD 2'x3'
		⊙	STEEL POLE
		⊙	ELEVATION REF.
		⊙	SECTION REF.
		⊙	PROP./LEASE LINE MATCH LINE
		⊙	WORK POINT
		⊙	TELE. CONDUIT
		⊙	CENTERLINE

FOOTAGE TOTALS	
ASPHALT CUT	--
TRENCH	--
PAVING	--
STONE	--
TOTAL	--
RAIN SWP TOTAL	--

PROJECT DICTIONARY

SITE ADDRESS: ROW ADJACENT TO 5709 KANAN RD AGOURA HILLS, CA 91362

APPLICANT: CROWN CASTLE NG WEST, LLC
2125 WRIGHT AVE, SUITE #C9
LA VERNE, CA 91750
CONTACT: GENE MITCHELL
PHONE: (909) 593-9700

REV.	DATE/BY:	REVISION DESCRIPTION:
0	FC 07/10/14	ISSUED FOR REVIEW
0	FC 07/24/14	ISSUED FOR REVIEW

ENGINEER/CONSULTANT:

Civil Engineer

CONNELL DESIGN GROUP, LLC
CONSULTING CIVIL ENGINEERS
2843 RANCHO PARKWAY SOUTH LAKE FOREST, CA 92640
PH: 714.687.0977 FAX: 714.687.0978

CLIENT:

CROWN CASTLE
NG WEST, LLC

STAMP:

Blank area for professional stamp.

SITE INFO:

SITE NAME: TDOK11m1
MPC1048CA-TDOK11m1

SITE ADDRESS: THOMAS BROS PAGE 558 GRID 58
AGOURA HILLS, CA 91362
LATS 34.15412
LONGS -118.75723

TITLE SHEET

DRAWING INFO:		
DWG. NAME:	DRAWN BY:	DATE:
11	FC	07/10/14

SHEET NUMBER: T-1

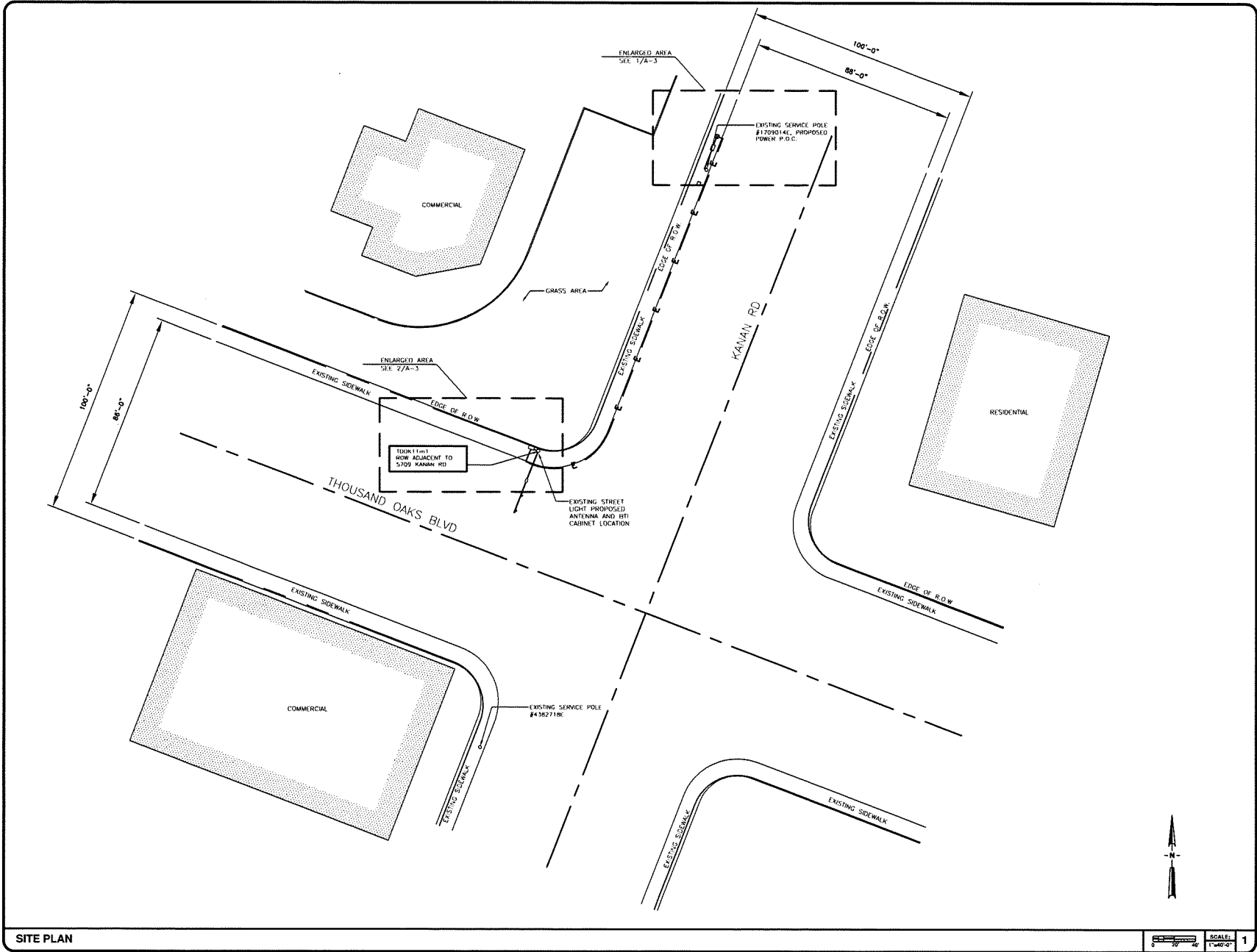
CONSTRUCTION CHANGE TABLE		
CHANGE	DATE	EFFECTED OR ADDED SHEET NUMBERS

APPLICABLE CODES	
ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:	
•	2010 CALIFORNIA BUILDING CODE
•	2010 CALIFORNIA MECHANICAL CODE
•	2010 CALIFORNIA PLUMBING CODE
•	2010 CALIFORNIA ELECTRICAL CODE
IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.	

PROJECT DESCRIPTION	
PROJECT CONSISTS OF INSTALLATION OF:	
1.	OMNI ANTENNA AND BTI EQUIPMENT CABINET ON EXISTING TRAFFIC LIGHT
2.	200A METER PEDESTAL IN PUBLIC R.O.W.

SHEET INDEX:	
TITLE SHEET	T-1 - SHEET 1 OF 7
SITE PLAN	A-1 - SHEET 2 OF 7
ELEVATIONS	A-2 - SHEET 3 OF 7
CHARGED EQUIPMENT AREA	A-3 - SHEET 4 OF 7
DETAILS	D-1 - SHEET 5 OF 7
DETAILS	D-2 - SHEET 6 OF 7
DETAILS	D-2 - SHEET 7 OF 7


CIVIL ENGINEER:	
CONNELL DESIGN GROUP, LLC	4885 MACARTHUR COURT, SUITE 480
NEWPORT BEACH, CA 92660	CONTACT: FRANK CARTER
(949) 310 8233 PHONE	(949) 753-8833 FAX



REV.	DATE/BY:	REVISION DESCRIPTION:
0	FC 01/10/14	ISSUED FOR REVIEW
0	FC 01/24/14	ISSUED FOR REVIEW

ENGINEER/CONSULTANT:

Civil Engineer



CONNELL DESIGN GROUP, LLC
CONSULTING ENGINEERS
 2645 RIVERSIDE DRIVE SUITE 100 LAKELAND, FL 33809
 PHN: 888.666.0822 FAX: 888.733.6133

CLIENT:



CROWN CASTLE
 NG WEST, LLC

STAMP:

SITE INFO:

SITE NAME:
TDOK11m1
MPC1048CA-TDOK11m1

SITE ADDRESS: THOMAS BROS PAGE 558 GRID 58
 ROW ADJACENT TO 5709 KANAN RD
 AGOURA HILLS, CA 91362
 LOTS 34,15412
 LOMCS -118.75723

SITE PLAN AND ELEVATION


DRAWING INFO:

OWC. NAME:	DRAWN BY:	DATE:
	FC	01/10/14

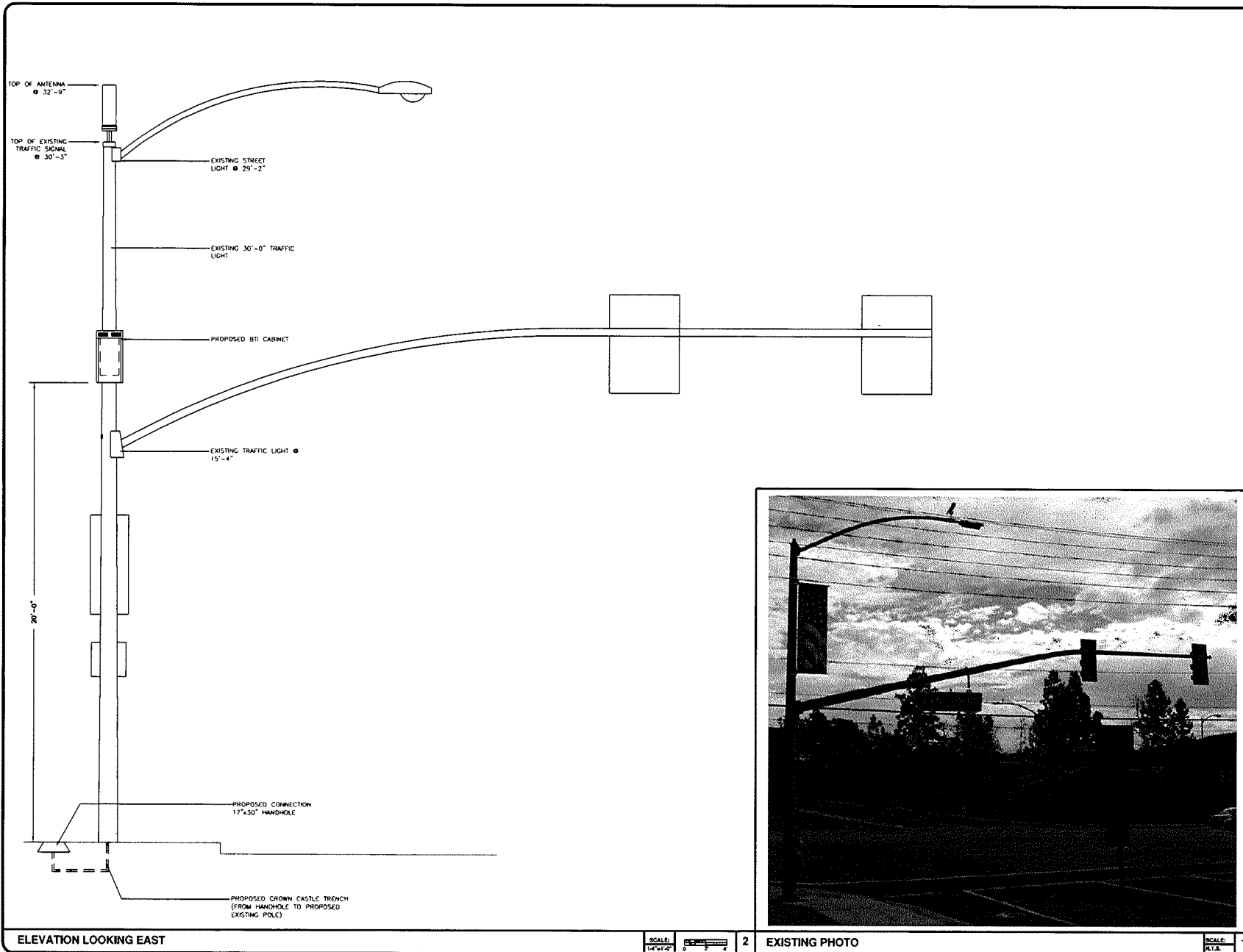
SHEET NUMBER:

2 A-1

SITE PLAN



SCALE: 1"=40'-0"



ELEVATION LOOKING EAST

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

 2

EXISTING PHOTO

SCALE: A.T.A.
 1

REV.	DATE/BY:	REVISION DESCRIPTION:
0	FC	ISSUED FOR REVIEW
	01/10/14	FC
0	FC	ISSUED FOR REVIEW
	01/23/14	FC

ENGINEER/CONSULTANT:

Civil Engineer

CONNELL DESIGN GROUP, LLC
 CONSULTING ENGINEERS
 2401 RANCHO PUEBLO BLVD SUITE 100 FORT COLLINS, CO 80526
 PHONE: 970.226.1900 FAX: 970.226.1901

CLIENT:

CROWN CASTLE
 ENGINEERING WEST, LLC

STAMP:

SITE INFO:

SITE NAME:
 TDOK11m1
 MPC1048CA-TDOK11m1

SITE ADDRESS: THOMAS BRIS PAGE 558 ORD 58
 ROW ADJACENT TO 5709 KAHAN RD
 AGOURA HILLS, CA 91362
 LOTS 34,15412
 LONGS -118.75723

SHEET TITLE:
ELEVATION

DRAWING INFO:


OWC NAME:	DRAWN BY:	DATE:
	FC	01/10/14

SHEET NUMBER:
 A-2

REV:	DATE/BY:	REVISION DESCRIPTION:
0	FC	ISSUED FOR REVIEW
0	01/10/14	FC
0	01/24/14	ISSUED FOR REVIEW

ENGINEER/CONSULTANT:

Civil Engineer



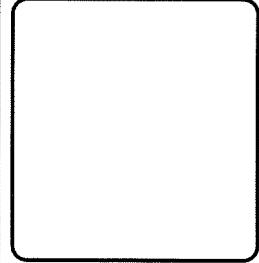
CONNELL DESIGN GROUP, LLC
 CONSULTING ENGINEERS
 2000 RUSTON PARKER RD SUITE 1000 FORT COLLINS CO 80526
 (970) 224-0022 FAX (970) 224-0023

CLIENT:



CROWN CASTLE
 NG WEST, LLC

STAMP:



SITE INFO:

SITE NAME:
TDOK11m1
MPC1048CA-TDOK11m1

SITE ADDRESS: THOMAS BROS PAGE 558 GRID 58
 ROW ADJACENT TO 5709 KANAN RD
 AGOURA HILLS, CA 91362
 LOTS 34,15412
 LONGS -118.75723

SHEET TITLE:

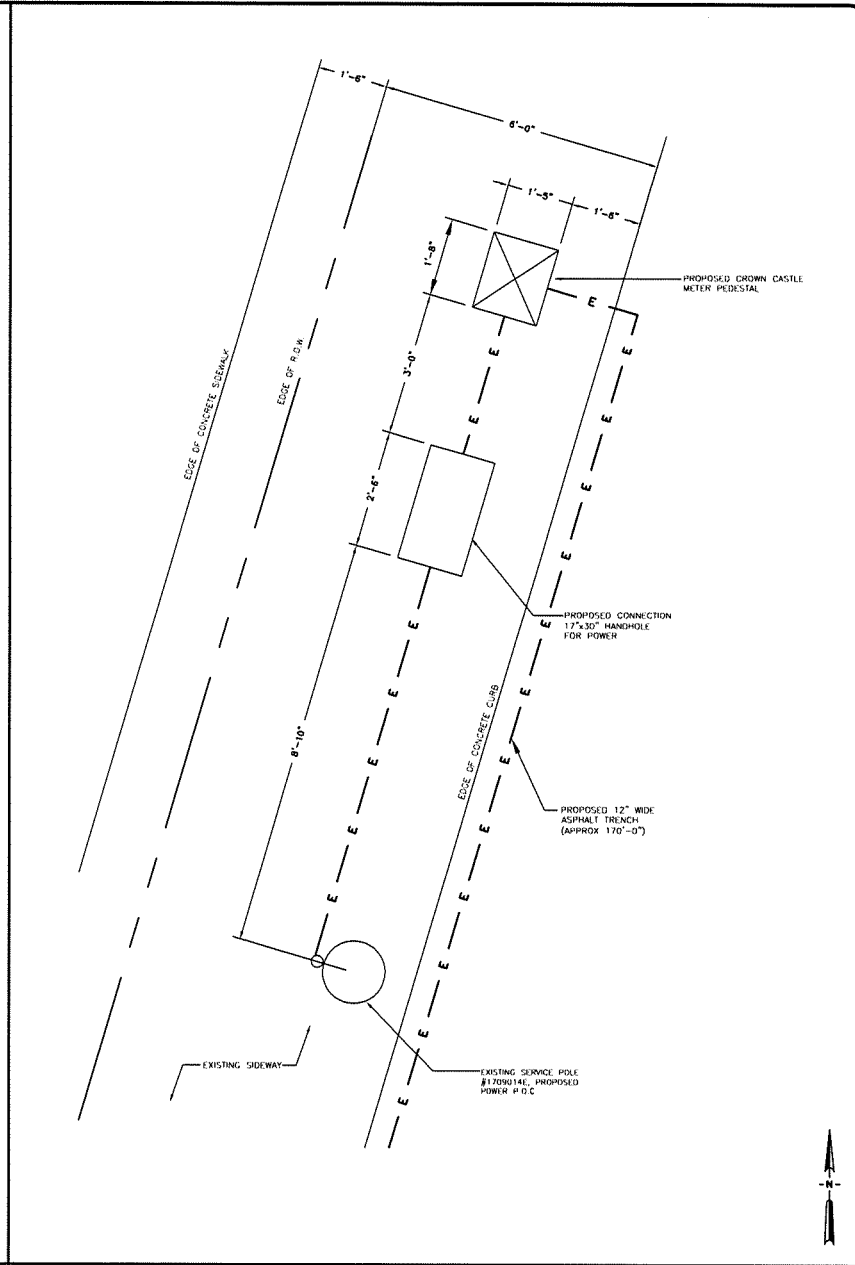
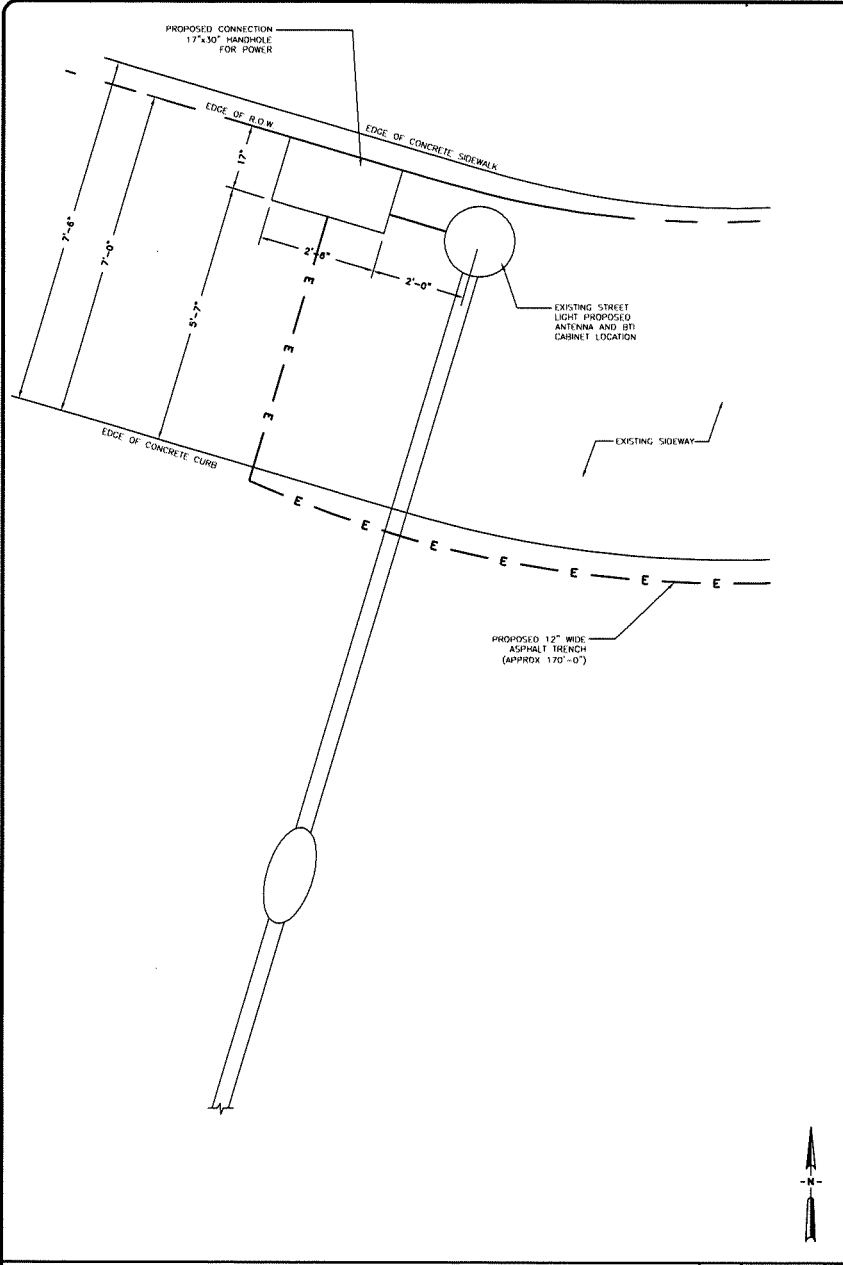
ENLARGED EQUIPMENT AREA

DRAWING INFO:

DWG. NAME:	DRAWN BY:	DATE:
	FC	01/10/14

SHEET NUMBER:

A-3

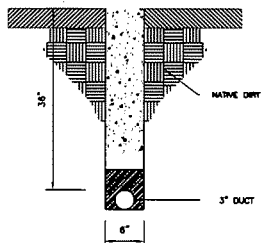


ANTENNA LOCATION

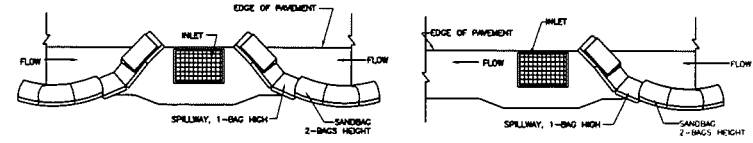
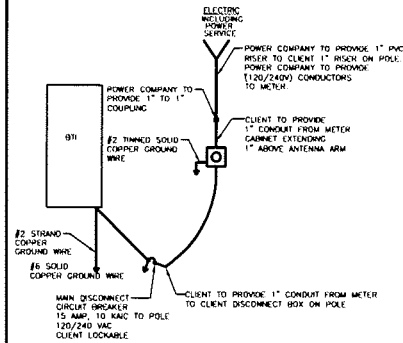
METER LOCATION

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

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



* TRENCH TO BE BACK FILL WITH NATIVE MATERIAL & COMPACTED TO 90% OR BETTER & REPLACE LANDSCAPING IN KIND.



TYPICAL PROTECTION FOR INLET WITH OPPOSING FLOW DIRECTIONS TYPICAL PROTECTION FOR INLET WITH SINGLE FLOW DIRECTION

- NOTES:**
1. INTENDED FOR SHORT-TERM USE.
 2. USE TO PREVENT NON-STORM WATER FLOW.
 3. ALLOW FOR PROPER MAINTENANCE AND CLEANUP.
 4. BAGS MUST BE REMOVED AFTER ADJACENT OPERATION IS COMPLETED.
 5. NOT APPLICABLE IN AREAS WITH HIGH SELLS AND CLAYS WITHOUT FILTER FABRIC.

REV	DATE/BY	REVISION DESCRIPTION
0	FC	ISSUED FOR REVIEW
0	01/10/14	ISSUED FOR REVIEW
0	FC	ISSUED FOR REVIEW
0	01/29/14	ISSUED FOR REVIEW

ENGINEER/CONSULTANT:

Civil Engineer

CONNELL DESIGN GROUP, LLC
 1500 E. 10TH AVE. SUITE 100
 DENVER, CO 80202
 (303) 733-1111

CLIENT:

STAMP:

SITE INFO:

SITE NAME: TDOK11m1
 MPC1048CA-TDOK11m1

SITE ADDRESS: THOMAS BRIS PAGE 550 GRID 58
 ROW ADJACENT TO 5709 KANAN RD
 AGOURA HILLS, CA 91362
 LATS 34.15412
 LONGS -118.75723

SHEET TITLE:

DETAILS

DRAWING INFO:

DWG. NAME:	DRAWN BY:	DATE:
	FC	01/10/14

SHEET NUMBER:

D-1

TRENCH DETAIL	NTA	5	ELECTRIC SINGLE LINE DIAGRAM	NTA	3	STORM DRAIN INLET PROTECTION	NTA	1
---------------	-----	---	------------------------------	-----	---	------------------------------	-----	---

DAVEY Optical Transport DAS

INTRODUCTION

The mBSC-020 is a fiber transport DAS system. The system consists of a HU (Host Unit) and a RU (Remote Unit). The HU is mounted in a 19" rack. It can either be utilized in an indoor or outdoor environment. The output power of the RU is 40W. The transport between HU and RU is fiber optic. The downlink and uplink optical signal are duplicated so there is only one fiber required. This document provides the installation guide for Remote Unit.

GENERAL DESCRIPTION

The Remote unit, shown in Figure 1, consists of optical module (OM), downlink power amplifier (LNA) and duplexer. The Optical module converts the downlink optical signal from the HU and splits the RF signal into 3 RU's. It also converts the uplink RF signal to an optical signal and redundantly sends it to the HU. Each optical module can support 3 RU's in any combination of different bands.

The Remote unit provides the following functions:

- Convert forward optical signal to RF signal
- Boost the forward RF signal from HU to high power level (max output 40W)
- Amplifier the uplink signal from antenna to improve the system receive sensitivity

Figure 1. Remote Unit

DA-X-AW-14-85-02T3

Fixed Electrical Downlink Antenna

1710 - 2180MHz, X-pol, HES / V10'

Electrical Specifications	
Frequency Range	1710-2180MHz
Gain	13.3 dB-Classes
Gain Margin	8 dB
Beamwidth	Horizontal: 90° Vertical: 18.0°
VSWR	≤1.4:1
Polarization	Quad, linear, sat
Impedance	50Ω
Feed Electrical Downlink	3'
Horizontal Beam steering	N/A
Upper 1" Spherical Rectification	3.18 m
Front-to-Back Ratio	32.0 dB
Passive Intermodulation, IM3	-6.180 dBm (30-dBm, 10W)
1 Port Maximum CW Power	850 W

Specifications are subject to change.

Mechanical Specification	
Dimensions/Case 19" H	92.11x34 inches
Weight	58 lbs (Without Mounting Adapter)
Construction	2x 1/2" (3x3/4") Aluminum
Max Wind Speed	180 mph

CROWN CASTLE CONNECTION HANDHOLE

CONCRETE FEATURES:

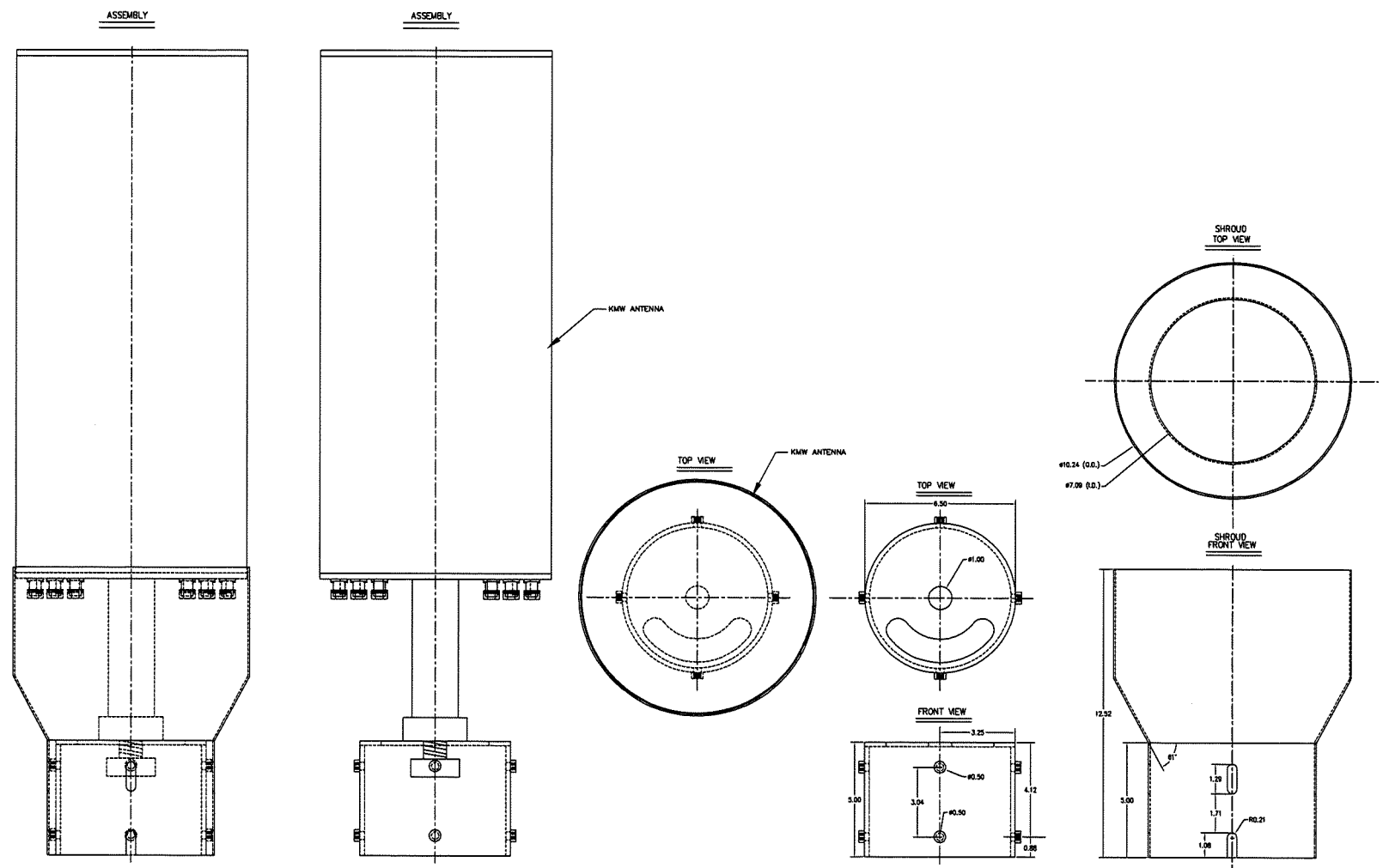
- 19" x 19" x 19" (19" x 19" x 19")
- APPROX. 1/2" x 12" DIA.
- POLYETHYLENE CONCRETE
- ONE PIECE COVER
- FOUR-BOLT DESIGN
- COVER CONCRETE 11" MIN. T
- NON-SKID SURFACE

HANDHOLE FEATURES:

- POLYMER CONCRETE FRING
- AND FIBERGLASS REINFORCED
- POLYETHYLENE
- CURL UP FRING
- CONCRETE GRAY
- APPROX. 1/2" x 12" DIA.

BTI SPECIFICATIONS	NTA	6	ANTENNA SPECIFICATIONS	NTA	4	HANDHOLE DETAIL	NTA	2
--------------------	-----	---	------------------------	-----	---	-----------------	-----	---


- - - RED HIDDEN LINES Represents any line of an object that is hidden from view.
 - - - BLUE SOLID LINES Represents any line of an object that is visible in a particular view.
 - - - BLACK HIDDEN LINES Represents items that are "not" included in ICF.



REV:	DATE/BY:	REVISION DESCRIPTION:
0	FC	ISSUED FOR REVIEW
0	01/10/14	FC
0	01/24/14	ISSUED FOR REVIEW

ENGINEER/CONSULTANT:

Civil Engineer



CONNELL DESIGN GROUP, LLC
 LICENSED PROFESSIONAL ENGINEERS
 2445 RIVINGTON PARKWAY SUITE 100 LA JOLLA, CA 92037
 WWW.CDG-LLC.COM TEL: 619-793-8311 FAX: 619-793-8312

CLIENT:



CROWN CASTLE
 NG WEST, LLC

STAMP:

SITE INFO:

SITE NAME: TDOK11m1
 MPC1048CA-TDOK11m1

SITE ADDRESS: THOMAS BROS PAGE 556 GRID 58
 ROW ADJACENT TO 5708 KANAN RD
 AGOURA HILLS, CA 91362
 LOTS 34,15412
 LONGS -118.75723

SHEET TITLE:

DETAILS

DRAWING INFO:

DWG. NAME:	DRAWN BY:	DATE:
	FC	01/10/14

SHEET NUMBER:

D-2

REV.	DATE/BY:	REVISION DESCRIPTION:
0	FC 01/10/14	ISSUED FOR REVIEW
0	FC 01/24/14	ISSUED FOR REVIEW

ENGINEER/CONSULTANT:
Civil Engineer
CDG
CONNELL DESIGN GROUP, LLC
10001 KINGSTON PARKWAY
2601 BAYVIEW PARKWAY SUITE 100 LAKE FOREST, CA 92650
TEL: 949.451.1111 FAX: 949.451.1111

CLIENT:
CROWN CASTLE
NG WEST, LLC

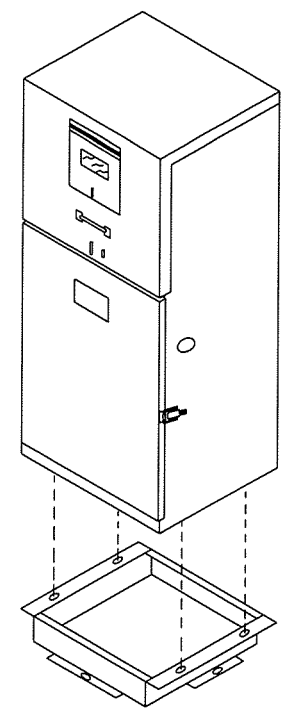
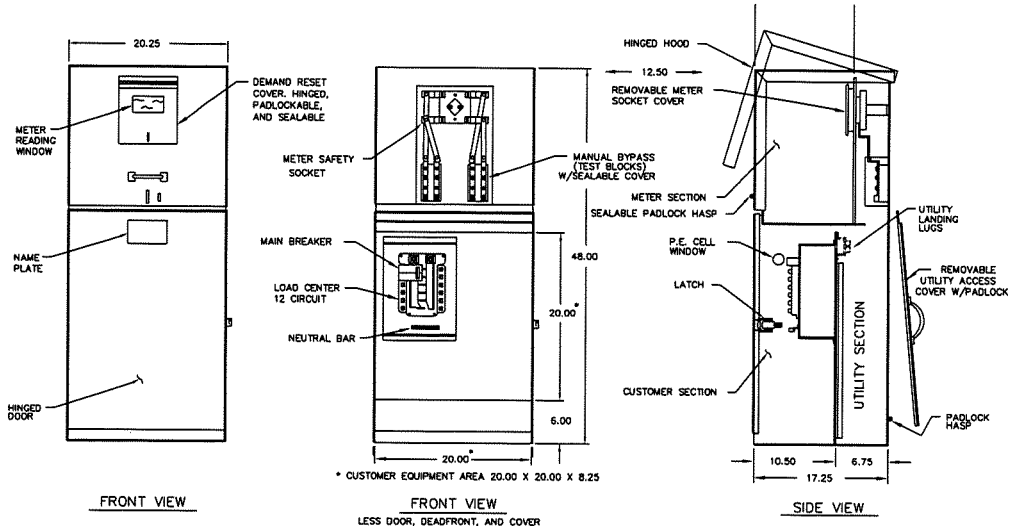
STAMP:

SITE INFO:
SITE NAME:
TDOK11m1
MPC1048CA-TDOK11m1
SITE ADDRESS: THOMAS BROG PAGE 556 GRID 5B
ROW ADJACENT TO 5709 KAHANA RD
AGOURA HILLS, CA 91362
LAIS 341542
LONGS -118.75723

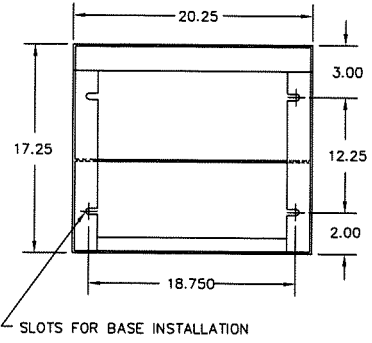
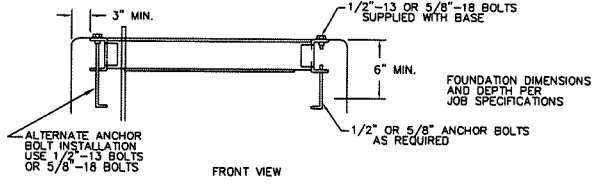
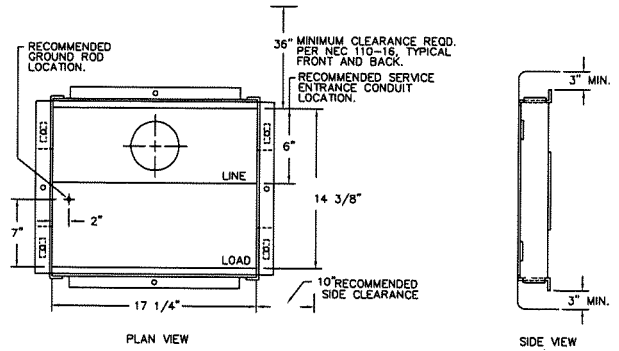
SHEET TITLE:
DETAILS

DRAWING INFO:
DWG. NAME: DRAWN BY: DATE:
FC FC 01/10/14

SHEET NUMBER:
D-3



BASE DETAIL



MC20-1 10/80

GENERAL NOTES

- APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED.
- UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE ENGINEERING DEPARTMENT.
- THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBOWNER OR OWNER TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENGINEERS SPECIES ACT OF 1973 AND AMENDMENTS THEREO (16 USC SECTION 1531 (E.C.O.S.)).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE OBTAINED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DESTROYED OR DESTROYED, THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED, IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.
- IMPORTANT NOTICE: SECTION 4218 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO DAYS BEFORE YOU DIG.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTENTIAL AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.
- CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO COMMENCING CONSTRUCTION.
- CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF ALL SEWER, WATER, AND STORMWATER MAIN INCLUDING ALL CROSSINGS.
- THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT.
- PUBLIC IMPROVEMENT SUBJECT TO DESTABILIZE OR DAMAGE: IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OF-WAY, SATISFACTORY TO THE OWNER - ISSUING AUTHORITY.
- PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIVISION.
- PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE. THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRUCTION/REPAIR DATE.
- MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROGRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES. THE PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD.
- THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.

SPECIAL NOTES

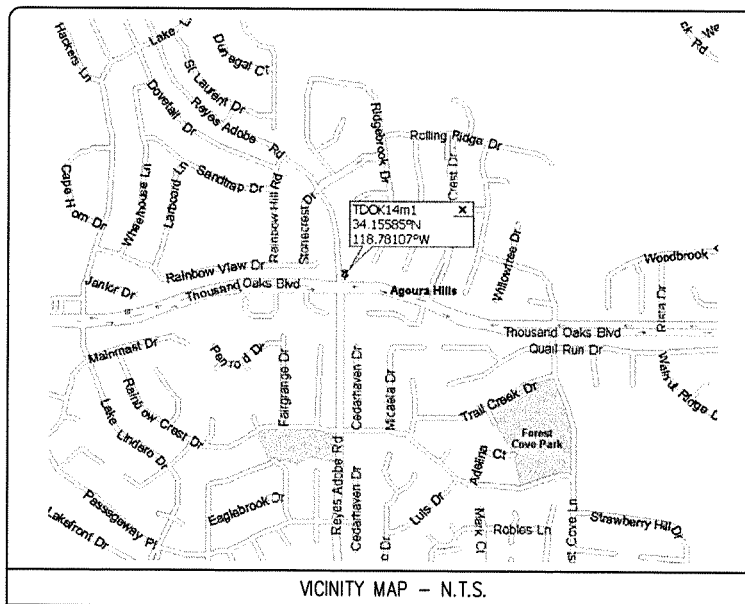
- THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.
- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER SERVICES TO NEIGHBORING LOTS BOTH HORIZONTAL AND VERTICAL, PRIOR TO COMMENCING WORK/PROPOSED OPERATIONS.
 - CONTRACTOR SHALL HAVE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
 - LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO CONSTRUCTION OF NEW WORK.
 - GRADE'S SHOWN ARE FINISH GRADES. CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
 - CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS PROVISION SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
 - THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY ORDERS.
 - THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TESTS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
 - THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 3-2 OF THE STANDARD SPECIFICATION.
 - THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTENTIAL AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.
 - AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT.

Exhibit A

CROWN CASTLE NG WEST, LLC

MPC1048CA-TDOK14m1

**ROW ADJACENT TO 30225 THOUSAND OAKS BLVD
POLE NUMBER: EXISTING TRAFFIC LIGHT**



VICINITY MAP - N.T.S.

SYMBOLS, LINETYPES AND HATCH PATTERNS

—+— GROUND BUS BAR	⊙ LIGHT POLE	⊕ ELEVATION REF.	—c— ELECT. CONDUIT
• MESH GRID, CONN.	○ FOUNDATION	⊖ SECTION REF.	—A— COAXIAL CABLE
■ CROWNED	⊙ SPOT ELEV.	⊕ PROP./LEASE LINE	□ METERS PEDESTAL
⊕ ELECTRIC BOX	⊕ SET POINT	⊕ MATCH LINE	□ VALVE STANDARD 2"x3"
⊕ TELEPHONE BOX	⊕ REVISION	⊕ WORK POINT	● STEEL POLE
⊕ EXISTING SERVICE POLE	⊕ DETAIL REF.	⊕ TELE. CONDUIT	
⊕ SIDEWALK FLAG		⊕ CENTERLINE	
⊕ EX. MANHOLE			

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- FOR INLETS LOCATED AT SWAMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SWAMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 100" FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DUES.
- THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREETS) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
- THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON; ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PROOUDING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPROVED WATERS CREATE A HAZARDOUS CONDITION.
- ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED FOR THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT.
- THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION/SEDIMENT CONTROL MEASURES.
- THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

FOOTAGE TOTALS

ASPHALT CUT	
DEFT TRENCH	-
PUNCH BURN	-
BORING	-
TOTAL	-
RAN SHEET TOTAL	-

PROJECT DICTIONARY

SITE ADDRESS: ROW ADJACENT TO 30225 THOUSAND OAKS BLVD AGOURA HILLS, CA 91301

APPLICANT: CROWN CASTLE NG WEST, LLC
2125 WRIGHT AVE, SUITE #C9
LA VERNE, CA 91750
CONTACT: GENE MITCHELL
PHONE: (909) 593-9700

CIVIL ENGINEER: CONNELL DESIGN GROUP, LLC
26455 RANCHO PARKWAY SOUTH
LAKE FOREST, CA 92630
CONTACT: FRANK CARTER
(949) 310-8233 PHONE
(949) 753-8833 FAX

REV#	DATE/BY:	REVISION DESCRIPTION:
0	FC 01/10/14	ISSUED FOR REVIEW
1	FC 01/24/14	ISSUED FOR FINAL
2	FC 05/27/14	ISSUED FOR FINAL

ENGINEER/CONSULTANT:

Civil Engineer

CONNELL DESIGN GROUP, LLC
A CIVIL ENGINEERING FIRM
26455 RANCHO PARKWAY SOUTH LAKE FOREST, CALIFORNIA 92630
PH: 949.310.8233 FAX: 949.753.8833

CLIENT:

CROWN CASTLE NG WEST, LLC

STAMP:

SITE INFO:

SITE NAME: TDOK14m1
MPC1048CA-TDOK14m1

SITE ADDRESS: THOMAS BROS PACE 557 GRID H5
ROW ADJACENT TO 30225 THOUSAND OAKS BLVD
AGOURA HILLS, CA 91301

LAITS 34.15585
LONGS -118.78107

SHEET TITLE:

TITLE SHEET

DRAWING INFO:

DWG. NAME:	DRAWN BY:	DATE:
TI	FC	01/24/14

SHEET NUMBER:

T-1

CONSTRUCTION CHANGE TABLE

CHANGE	DATE	EFFECTOR OR ADDED SHEET NUMBER

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- 2010 CALIFORNIA BUILDING CODE
- 2010 CALIFORNIA MECHANICAL CODE
- 2010 CALIFORNIA PLUMBING CODE
- 2010 CALIFORNIA ELECTRICAL CODE

IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.

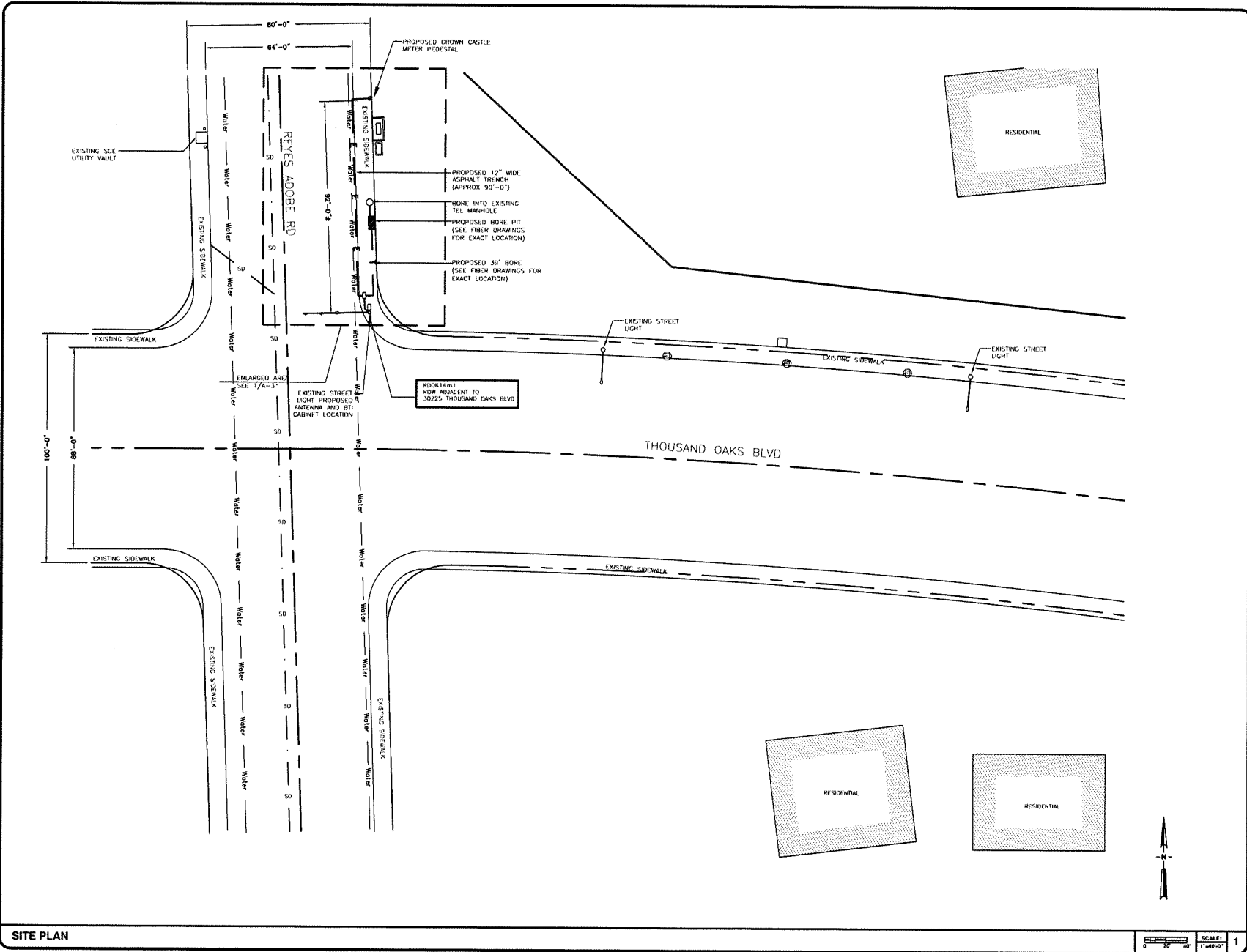
PROJECT DESCRIPTION

PROJECT CONSISTS OF INSTALLATION OF:

- OMNI ANTENNA AND BTI EQUIPMENT CABINET ON EXISTING TRAFFIC LIGHT
- 2.00A METER PEDESTAL IN PUBLIC R.O.W.

SHEET INDEX:

TITLE SHEET	T-1 - SHEET 1 OF 7
SITE PLAN	A-1 - SHEET 2 OF 7
ELEVATIONS	A-2 - SHEET 3 OF 7
ENLARGED EQUIPMENT AREA	A-3 - SHEET 4 OF 7
DETAILS	D-1 - SHEET 5 OF 7
DETAILS	D-2 - SHEET 6 OF 7
DETAILS	D-2 - SHEET 7 OF 7



REV.	DATE/BY:	REVISION DESCRIPTION:
0	FC 01/10/14	ISSUED FOR REVIEW
1	FC 01/24/14	ISSUED FOR FINAL
2	FC 05/27/14	ISSUED FOR FINAL

ENGINEER/CONSULTANT:
Civil Engineer
CDG
CONNELL DESIGN GROUP, LLC
A DIVISION OF THE CONNELL GROUP
2475 RAINBOW PARKWAY, SUITE 100, LAKELAND, FL 33809
PHONE: 888.888.1234 FAX: 888.888.1234

CLIENT:
CROWN CASTLE
NG WEST, LLC

STAMP:

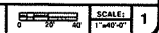
SITE INFO:
SITE NAME: TDOK14m1
MPC1048CA-TDOK14m1
SITE ADDRESS: THOMAS BROS PAGE 557 GRID H5
ROW ADJACENT TO 30225 THOUSAND OAKS BLVD
AGOURA HILLS, CA 91301
LATS 34.15585
LONGS -118.78107

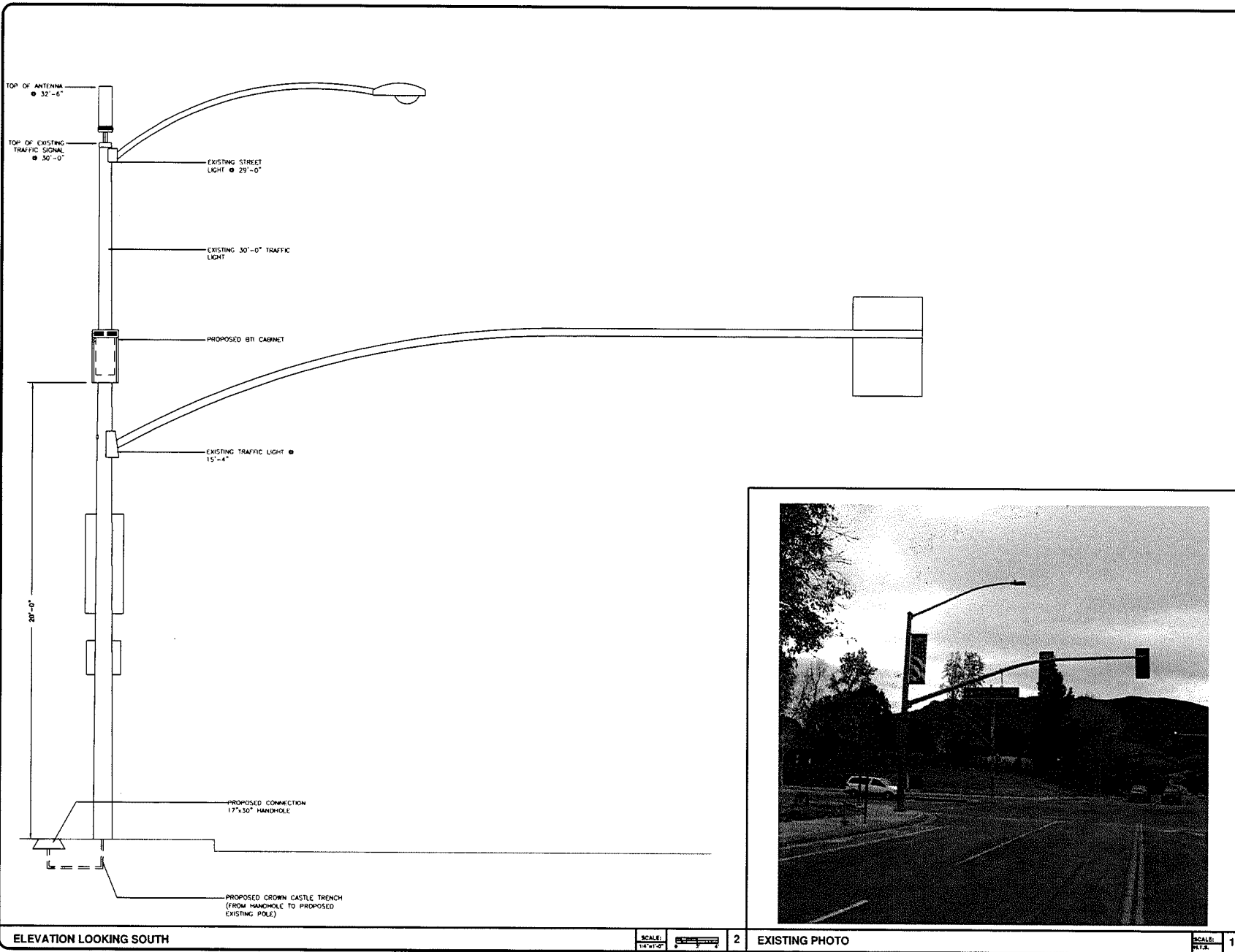
SHEET TITLE:
SITE PLAN AND ELEVATION

DRAWING INFO:
DWG. NAME: DRAWN BY: DATE:
FC FC 01/24/14

SHEET NUMBER:
A-1

SITE PLAN






REV.	DATE/BY:	REVISION DESCRIPTION:
0	FC 05/10/14	ISSUED FOR REVIEW
1	FC 01/28/14	ISSUED FOR FINAL
2	FC 05/27/14	ISSUED FOR FINAL

ENGINEER/CONSULTANT:

Civil Engineer



CONNELL DESIGN GROUP, LLC
CONSULTING CIVIL ENGINEERS
2045 BROADWAY, FLOOR 15, SUITE 1500, SAN FRANCISCO, CA 94133
PH: 415.774.1000 FAX: 415.774.1001

CLIENT:



CROWN CASTLE
NG WEST, LLC

STAMP:

SITE INFO:

SITE NAME: TDOK14m1
MPC1048CA-TDOK14m1

SITE ADDRESS: THOMAS BRGS PAGE 557 GRID H5
ROW ADJACENT TO 30225 THOUSAND OAKS BLVD
AGOURA HILLS, CA 91301

LATS 34.15585
LONGS -118.78107

SHEET TITLE:

ELEVATION

DRAWING INFO:

DWG. NAME:	DRAWN BY:	DATE:
	FC	01/28/14

SHEET NUMBER:

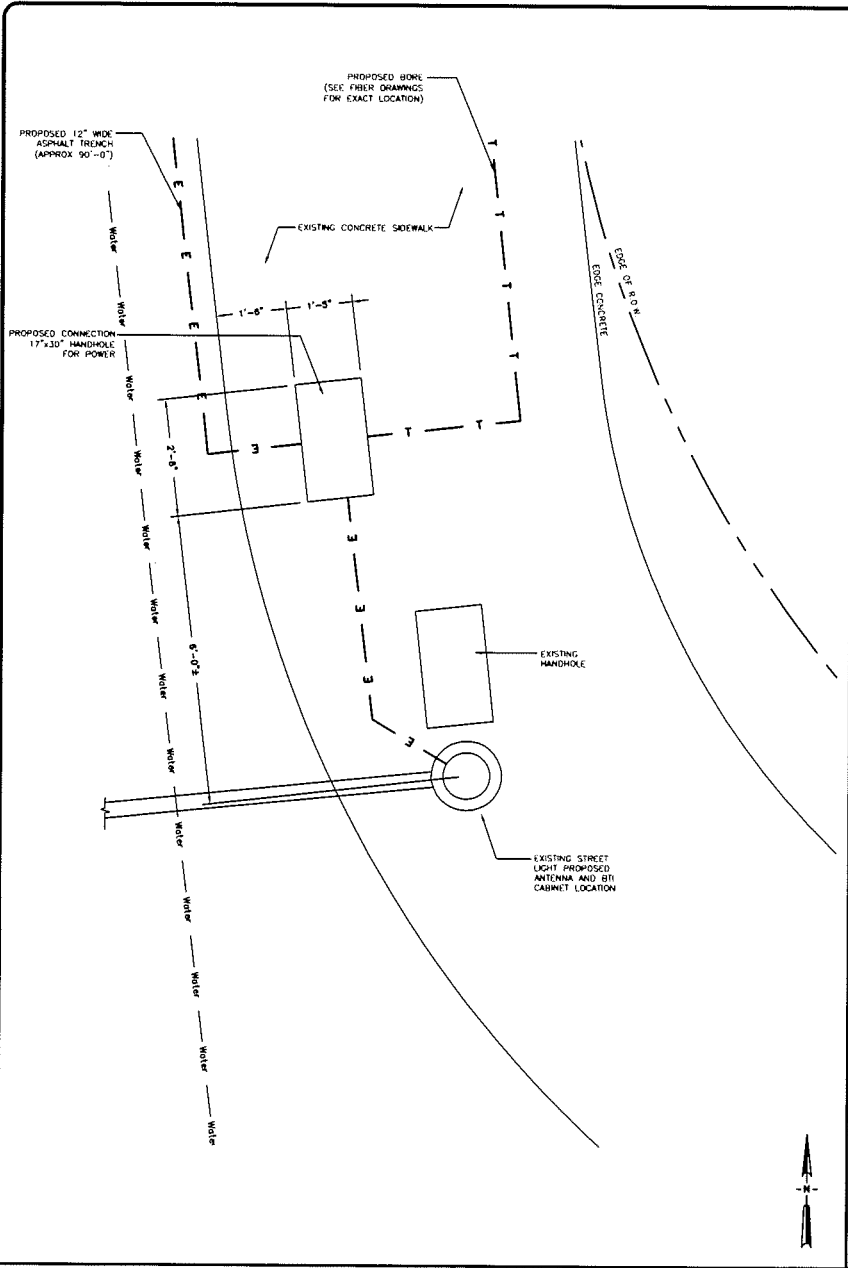
A-2

ELEVATION LOOKING SOUTH

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

2 EXISTING PHOTO

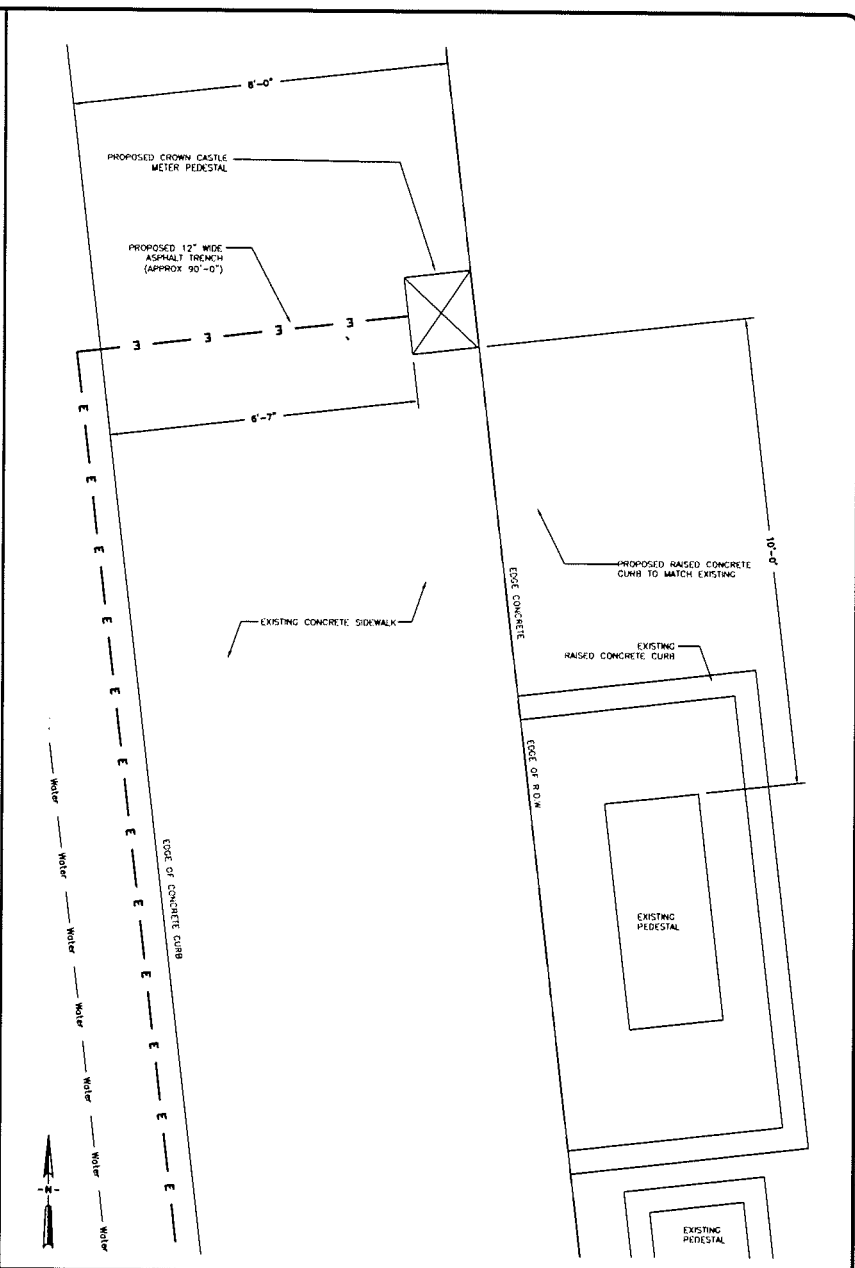
SCALE: 1" = 1'-0"



ANTENNA LOCATION

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

 2



METER LOCATION

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

 1

REV.	DATE/BY:	REVISION DESCRIPTION:
0	FC 01/10/14	ISSUED FOR REVIEW
1	FC 01/24/14	ISSUED FOR FINAL
2	FC 05/27/14	ISSUED FOR FINAL

ENGINEER/CONSULTANT:
 Civil Engineer

CONNELL DESIGN GROUP, LLC
10000 BIRCHMOUNT ROAD, SUITE 100, FORT WORTH, TEXAS 76134
 WWW.CDGLLCC.COM

CLIENT:

CROWN CASTLE
 NG WEST, LLC

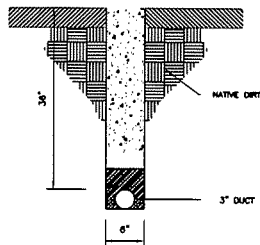
STAMP:

SITE INFO:
 SITE NAME: TDOK14m1
 MPC1048CA-TDOK14m1
 SITE ADDRESS: THOMAS GROES PAGE 557 GRID H5
 ROW ADJACENT TO 30225 THOUSAND OAKS BLVD
 ADDORA HILLS, CA 94301
 LOTS 3415685
 LONGS -118.78907

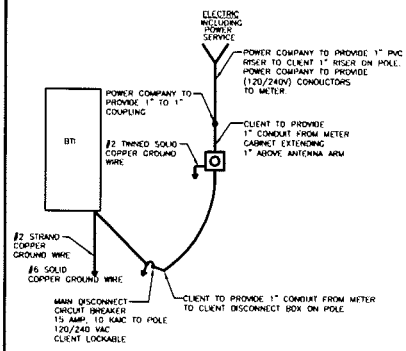
SHEET TITLE:
ELEVATION

DWG. NAME: DRAWING INFO:
 DATE: 01/24/14
 FC

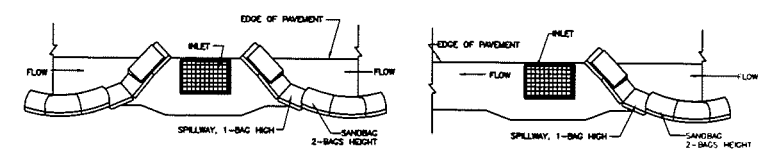
SHEET NUMBER:
A-3



* TRENCH TO BE BACK FILL WITH NATIVE MATERIAL & COMPACTED TO 90% OR BETTER & REPLACE LANDSCAPING IN KIND



POWER COMPANY TO PROVIDE 1" TO 1" COUPLING
 POWER COMPANY TO PROVIDE 1" PVC RISER TO CLIENT 1" RISER ON POLE
 POWER COMPANY TO PROVIDE (120/240V) CONDUCTORS TO METER
 CLIENT TO PROVIDE 1" CONDUIT FROM METER CABINET EXTENDING 1" ABOVE ANTENNA ARM
 MAIN DISCONNECT CIRCUIT BREAKER 15 AMP, 120 VAC, 120/240 VAC, CLIENT LOCKABLE
 CLIENT TO PROVIDE 1" CONDUIT FROM METER TO CLIENT DISCONNECT BOX ON POLE



TYPICAL PROTECTION FOR INLET WITH OPPOSING FLOW DIRECTIONS TYPICAL PROTECTION FOR INLET WITH SINGLE FLOW DIRECTION

- NOTES:**
1. INTENDED FOR SHORT-TERM USE
 2. USE TO INHIBIT NON-STORM WATER FLOW
 3. ALLOW FOR PROPER MAINTENANCE AND CLEANUP
 4. BAGS MUST BE REMOVED AFTER ADJACENT OPERATION IS COMPLETED
 5. NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS WITHOUT FILTER FABRIC

REV.	DATE/REV.	REVISION DESCRIPTION
0	FC 01/10/14	ISSUED FOR REVIEW
1	FC 01/24/14	ISSUED FOR FINAL
2	FC 05/27/14	ISSUED FOR FINAL

ENGINEER/CONSULTANT:
 Civil Engineer
CDG
 CONNELL DESIGN GROUP, LLC
 11000 17TH STREET, SUITE 100
 SAN FRANCISCO, CA 94134
 WWW.CONNELLDESIGNGROUP.COM

CLIENT:
CROWN CASTLE
 NG WEST, LLC

STAMP:

SITE INFO:
 SITE NAME: **TDOK14m1**
MPC1048CA-TDOK14m1
 SITE ADDRESS: THOMAS GROSS PARK 557 GRID H5
 ROW ADJACENT TO 30225 HANSHAW GEMS BLVD
 AGOURA HILLS, CA 91301
 LOTS 34,15585
 LONGS -118,78107

SHEET TITLE:
DETAILS

DRAWING INFO:
 DWG. NAME: DRAWN BY: DATE:
 FC FC 01/24/14

SHEET NUMBER:
D-1

TRENCH DETAIL N/A 5

ELECTRIC SINGLE LINE DIAGRAM N/A 3

STORM DRAIN INLET PROTECTION N/A 1

BTI Specifications

INTRODUCTION
 The m800-0200 is a fiber transport DAS system. The system consists of a HU (Host unit) and a RU (Remote unit). The HU is mounted in a 19" rack & can either be utilized in an indoor or outdoor environment. The output power of the HU is 40W. The transport between HU and RU is fiber optic. The downlink and uplink optical signal are dispensed so there is only one fiber required. This document provides the installation guide for Remote Unit.

GENERAL DESCRIPTION
 The Remote unit, shown in Figure 1, consists of optical module (OM), downlink power amplifier (LNA) and receiver. The Optical module converts the downlink optical signal from the HU and splits the RF signal into 3 RU's. It also converts the uplink RF signal to an optical signal and multiplexes it back to the HU. Each optical module can support 3 RU's in any combination of different bands.

The Remote unit provides the following functions:

- Convert forward optic signal to RF signal
- Boost the forward RF signal from HU to high power level (max output 40W)
- Amplify the uplink signal from antenna to improve the system receive sensitivity

Figure 1: Remote Unit

© 2009, Miano Tech Inc. Page 4

DA-X-AW-14-65-02T3

Fixed Electronic Downlink Antenna

1710 - 2180 MHz, X-pol, M55 / V18

Electrical Specifications

Frequency Range	1710-2180 MHz
Gain	13.8 dBi±0.5dB
Omni Class	3.0dB
Beamwidth	Horizontal: 36° Vertical: 18.0°
VSWR	≤ 1.1:1
Polarization	Omni, 0 dBm, L&R
Impedance	50Ω
Flare Electrical Downlink	3"
Horizontal Beam Swearing	NA
Uplink 1" Side-to-Side Displacement	± 10 mm
Flare-to-Back Ratio	≥ 23 dB
Phase vs Frequency, RFD	≤ 1°/30 MHz (200 MHz, 200W)
Input Max/avg CW Power	200 W

Special features are subject to change.

Mechanical Specification

Dimension (Dia. x H)	66.11 x 94 inches
Weight	18 lbs (Milled Mounting Adapter)
Connector	In 7/16 DIN-91 / Bottom
Max W ind Speed	130 mph

Handhole Detail

COVER FEATURES:

- PW - 10,400 LBS. WHEEL LOAD ON TOP A 10" PLATE.
- APPROX. WT. = 72 LBS.
- POLYMER CONCRETE
- ONE PLY COVER
- FOUR BOLT DOWN
- COLOR: CONCRETE GREY
- NON-SKID SURFACE

HANDHOLE FEATURES:

- POLYMER CONCRETE RING AND FIBERGLASS REINFORCED POLYMER BODY
- COLOR: CONCRETE GREY
- APPROX. WT. = 123 LBS.

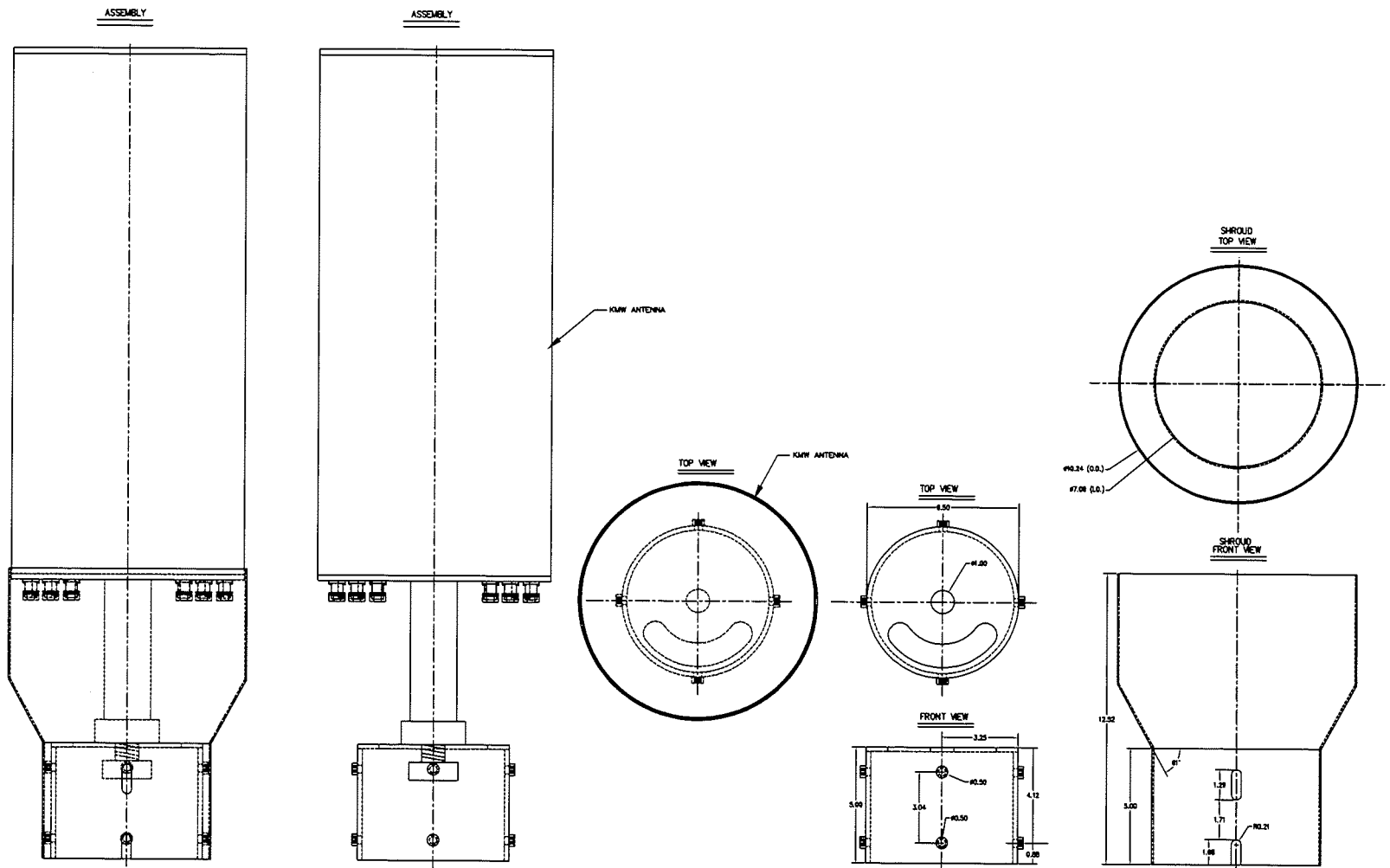
CROWN CASTLE CONNECTION HANDHOLE N.T.S.

BTI SPECIFICATIONS N/A 6

ANTENNA SPECIFICATIONS N/A 4

HANDHOLE DETAIL N/A 2

--- RED HIDDEN LINES Represents any line of an object that is hidden from view.
 --- BLUE SOLID LINES Represents any line of an object that is visible in a particular view.
 --- DASH HIDDEN LINES Represents items that are "not" included in 3D.



REV.	DATE/BY:	REVISION DESCRIPTION:
0	FC 01/10/14	ISSUED FOR REVIEW
1	FC 01/24/14	ISSUED FOR FINAL
2	FC 05/27/14	ISSUED FOR FINAL

ENGINEER/CONSULTANT:

Civil Engineer

CONNELL DESIGN GROUP, LLC
 CONSULTING CIVIL ENGINEERS
 2670 BAYVIEW PARKWAY SOUTH LAKE FOREST, CA 92640
 (949) 751-0077 FAX (949) 751-0077

CLIENT:

CROWN CASTLE
 NG WEST, LLC

STAMP:

SITE INFO:

SITE NAME: TDOK14m1
 MPC1048CA-TDOK14m1

SITE ADDRESS: THOMAS BRODS PAGE 257 GRID H5
 ROW ADJACENT TO 30225 THOUSAND OAKS BLVD
 AGOURA HILLS, CA 91301
 LOTS 3A,15,585
 LONGS -118,78197

SHEET TITLE:

DETAILS

DRAWING INFO:

DWG. NAME:	DRAWN BY:	DATE:
	FC	01/24/14

SHEET NUMBER:

D-2

REV.	DATE/BY:	REVISION DESCRIPTION:
0	FC 01/10/14	ISSUED FOR REVIEW
1	FC 01/24/14	ISSUED FOR FINAL
2	FC 05/27/14	ISSUED FOR FINAL

ENGINEER/CONSULTANT:

Civil Engineer

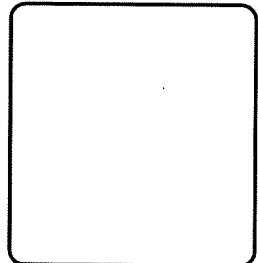


CONNELL DESIGN GROUP, LLC
CONSULTING ENGINEERS
2655 RIVER PARKWAY SOUTH, LAKE FOREST, CA 92506
949.755.0070 EXT. 1040 FAX 949.755.0071

CLIENT:



STAMP:



SITE #/ID:

SITE NAME: TDOK14m1
MPC1048CA-TDOK14m1
SITE ADDRESS: THOMAS BRGS PAGE 557 GRID H5
ROW ADJACENT TO 30225 THOUSAND OAKS BLVD
AGOURA HILLS, CA 91301
LATS 34.15585
LONGS -118.78107

SHEET TITLE:

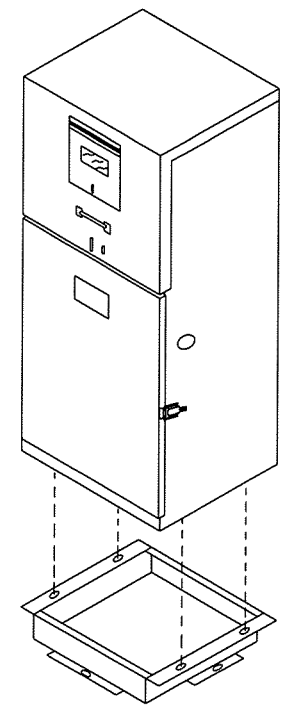
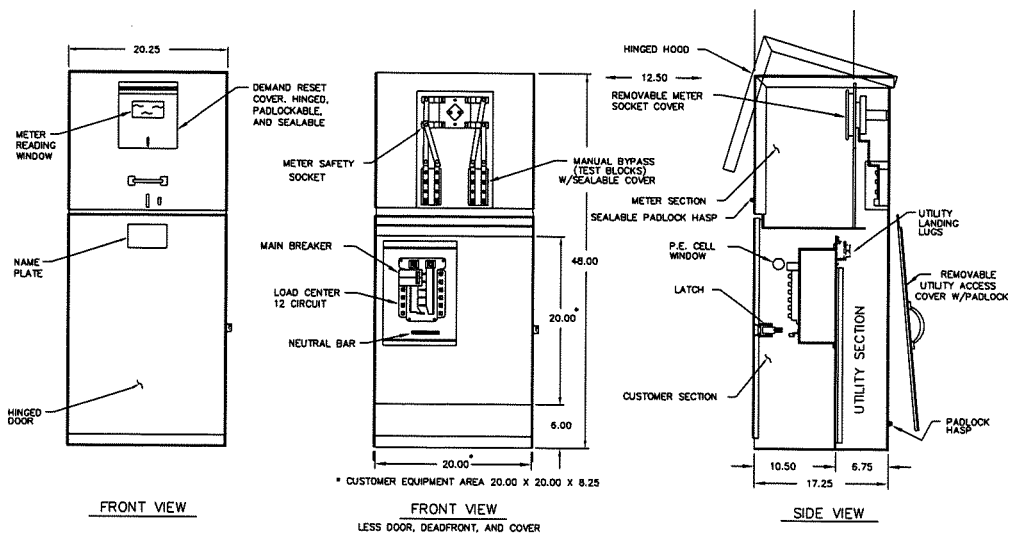
DETAILS

DRAWING INFO:

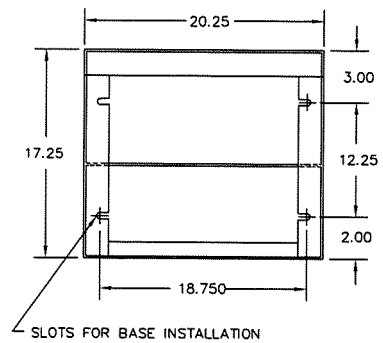
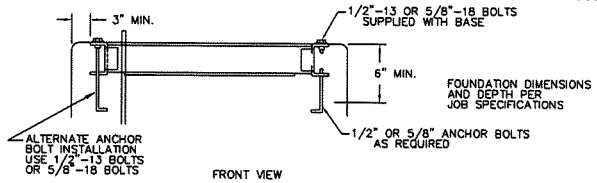
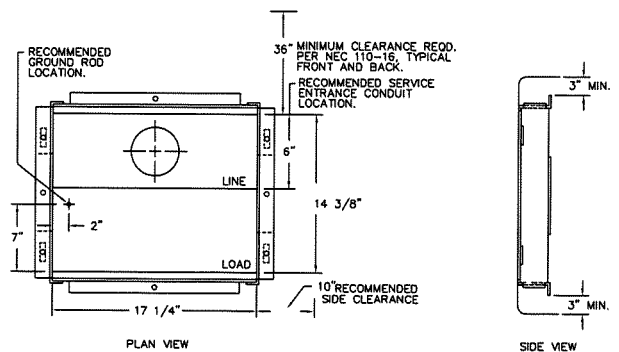
DWG. NAME: DRAWN BY: DATE:
FC FC 01/24/14

SHEET NUMBER:

D-3



BASE DETAIL



BOTTOM VIEW
MOUNTING SLOT DETAIL

MC20-1 10/00

GENERAL NOTES

- APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED.
- UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE ENGINEERING DEPARTMENT.
- THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBOWNER AND OWNER TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENGINEERING SPECIFICATIONS ACT OF 1972 AND AMENDMENTS THEREIN (16 USC SECTION 1511 ET SEQ.).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE OBTAINED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DESTROYED OR DESTROYED, THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED, IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.
- IMPORTANT NOTICE:** SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT ID NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO DAYS BEFORE YOU DIG.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PORTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1" MINIMUM VERTICAL CLEARANCE.
- CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO COMMENCING CONSTRUCTION.
- CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF ALL SEWER, WATER, AND STORMDRAIN MAIN INCLUDING ALL CROSSINGS.
- THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT.
- PUBLIC IMPROVEMENTS SUBJECT TO DESULTURE OR DAMAGE: IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OF-WAY, SATISFACTORY TO THE PERMITTING - ISSUING AUTHORITY.
- PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL HAVE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIVISION.
- PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE, THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE'S CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRUCTION/RESURFACING DATE.
- MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROGRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES. THE PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD.
- THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.

SPECIAL NOTES

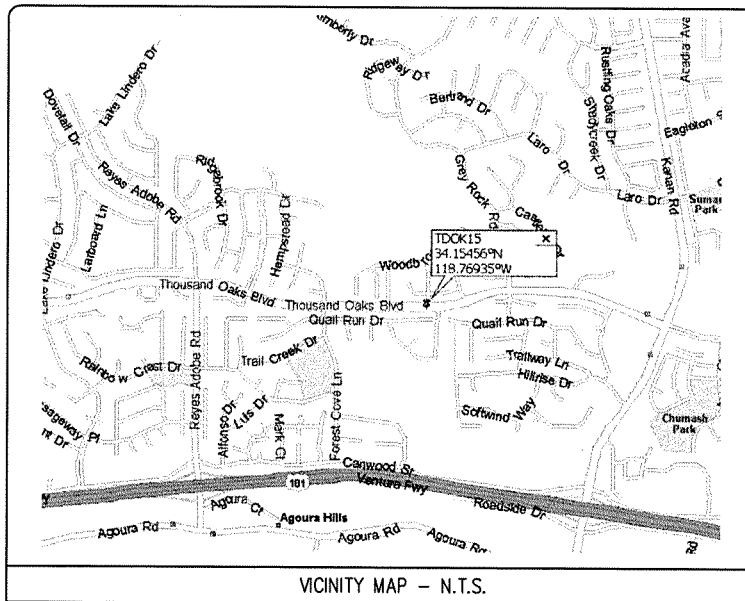
- THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.
- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER SERVICES TO HOMES AND LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
 - CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
 - LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO CONSTRUCTION OF NEW WORK.
 - GRADES SHOWN ARE FINISH GRADES. CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
 - CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS PROVISION SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL OBTAIN, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
 - THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY ORDERS.
 - THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TEST. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
 - THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION.
 - THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE PORTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1" MINIMUM VERTICAL CLEARANCE.
 - AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT.

Exhibit A

CROWN CASTLE NG WEST, LLC

MPC1048CA-TDOK15m1

**ROW ADJACENT TO 27010 THOUSAND OAKS BLVD
POLE NUMBER: REPLACEMENT STREET LIGHT**



SYMBOLS, LINETYPES AND HATCH PATTERNS

GROUND BUS BAR	LIGHT POLE	ELEVATION REF.	ELECT. CONDUIT
MEDIA DRWD. CONN.	FOUNDATION	SECTION REF.	COAXIAL CABLE
CANWALK	SPOT ELEV.	PROP./LEASE LINE	WYERS PEDESTAL
ELECTRIC BOX	SET POINT	MATCH LINE	WALLET STANDARD 2"x3"
TELEPHONE BOX	REVISION	WORK POINT	STEEL POLE
EXISTING SERVICE POLE	DETAIL REF.	TELE. CONDUIT	
SIDEWALK FLAG		CENTERLINE	
EX. MANHOLE			

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WQCP).
- FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- FOR INLETS LOCATED AT SLOPES ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTIONED INTO THE INLET AND THAT A MINIMUM OF 1.00' FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT IN TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DUES.
- THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREETS) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
- THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVEIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PROOFING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPROVED WATERS CREATE A HAZARDOUS CONDITION.
- ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT.
- THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION/SEDIMENT CONTROL MEASURES.
- THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

REV#	DATE/BY:	REVISION DESCRIPTION:
0	FC 03/03/11	ISSUED FOR REVIEW
1	FC 01/13/14	ISSUED FOR FINAL
2	FC 01/24/14	ISSUED FOR FINAL

ENGINEER/CONSULTANT:

Civil Engineer

CONNELL DESIGN GROUP, LLC
11001 ELM ST. SUITE 200
2650 RANCHO PARKWAY SOUTH LAKE FOREST CALIFORNIA
92653-0078 TEL: (949) 755-8833 FAX: (949) 755-8833

CLIENT:

**CROWN CASTLE
NG WEST, LLC**

STAMP:

FOOTAGE TOTALS

ITEM	FOOTAGE
ASPHALT CUT	-
DRY TRENCH	-
PUNCH BURN	-
STONE	-
TOTAL	-
BAR SHEET TOTAL	-

PROJECT DICTIONARY

PROJECT ADDRESS: ROW ADJACENT TO 27010 THOUSAND OAKS BLVD
AGOURA HILLS, CA 91301

APPLICANT: CROWN CASTLE NG WEST, LLC
2125 WRIGHT AVE., SUITE #C9
LA VERNE, CA 91750
CONTACT: GENE MITCHELL
PHONE: (909) 593-9700

CIVIL ENGINEER: CONNELL DESIGN GROUP, LLC
2650 RANCHO PARKWAY SOUTH
LAKE FOREST, CA 92630
CONTACT: FRANK CARTER
(949) 310-8233 PHONE
(949) 753-8833 FAX

SITE INFO:

SITE NAME: TDOK15m1
MPC1048CA-TDOK15m1

SITE ADDRESS: THOMAS BROS PAGE 557 GRID H5
AGOURA HILLS, CA 91301
LATS 34.15456
LONGS -118.76961

SHEET TITLE:

TITLE SHEET

DRAWING INFO:

DWG. NAME:	DRAWN BY:	DATE:
T1	FC	01/24/14

SHEET NUMBER:

T-1

CONSTRUCTION CHANGE TABLE

CHANGE	DATE	EFFECTED OR ADDED SHEET NUMBERS

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- 2010 CALIFORNIA BUILDING CODE
- 2010 CALIFORNIA MECHANICAL CODE
- 2010 CALIFORNIA PLUMBING CODE
- 2010 CALIFORNIA ELECTRICAL CODE

IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.

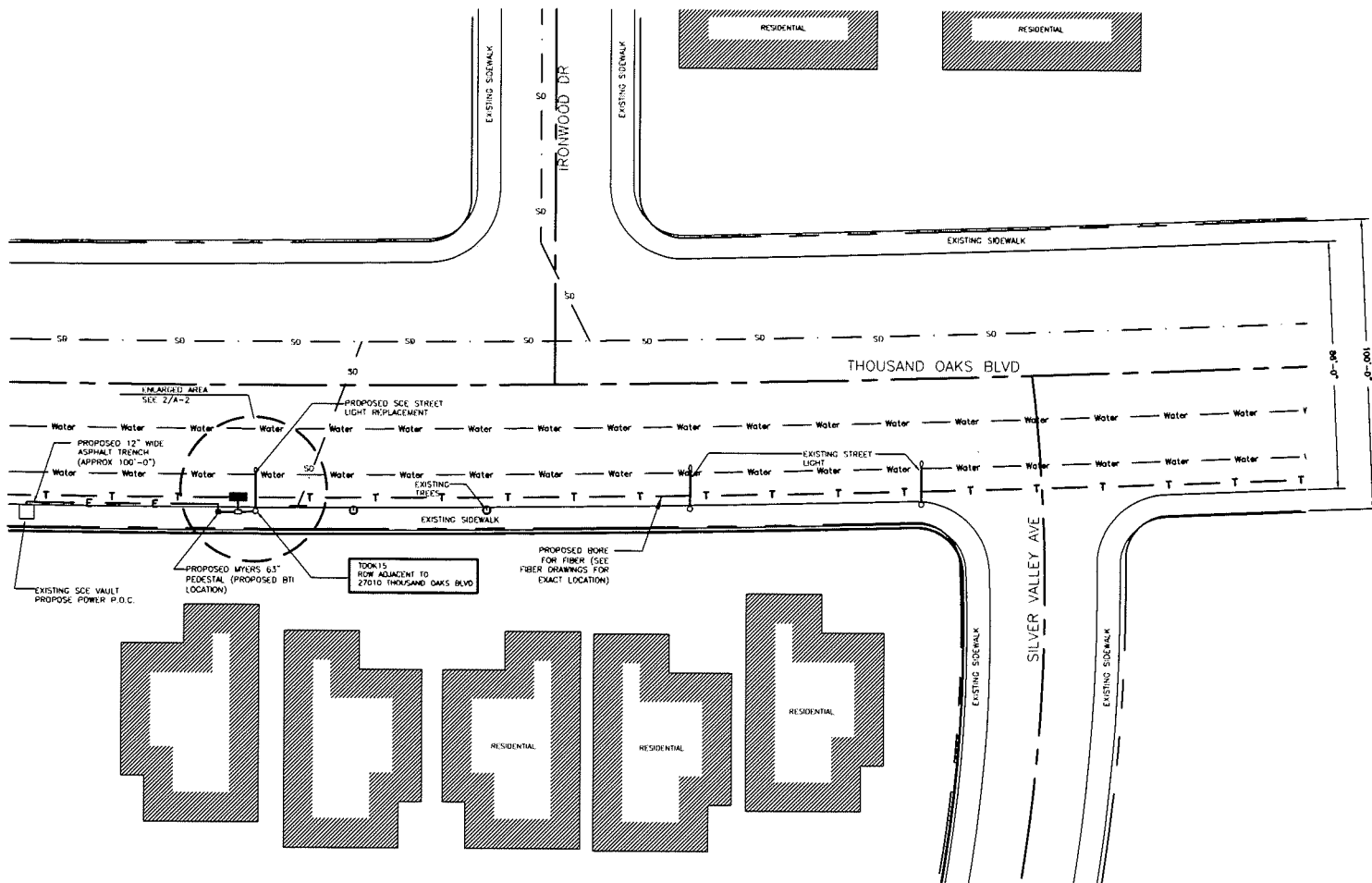
PROJECT DESCRIPTION

PROJECT CONSISTS OF INSTALLATION OF:

- OMNI ANTENNA ON PROPOSED STREET LIGHT
- 200A METER PEDESTAL IN PUBLIC R.O.W. PROPOSED BTJ LOCATION

SHEET INDEX:

TITLE SHEET	SHEET
SITE PLAN	T-1 - SHEET 1 OF 7
ELEVATIONS	A-1 - SHEET 2 OF 7
DETAILS	A-2 - SHEET 3 OF 7
DETAILS	D-1 - SHEET 4 OF 7
DETAILS	D-2 - SHEET 5 OF 7
DETAILS	D-3 - SHEET 6 OF 7
DETAILS	D-4 - SHEET 7 OF 7



REV#	DATE/BY:	REVISION DESCRIPTION:
0	FC 03/03/11	ISSUED FOR REVIEW
1	FC 08/13/14	ISSUED FOR FINAL
2	FC 08/28/14	ISSUED FOR FINAL

ENGINEER/CONSULTANT:
 Civil Engineer
CDG
 CONNELL DESIGN GROUP, LLC
 2400 BENTLEY PARKWAY SUITE 1000 FORT MYERS FL 33901
 PHONE: 813.446.0838 FAX: 813.446.0839

CLIENT:
CROWN CASTLE
 NG WEST, LLC

STAMP:

SITE INFO:
 SITE NAME: TDOK15m1
 MPC1048CA-TDOK15m1
 SITE ADDRESS: THOMAS BROS PAGE 557 GRID H5
 ROW ADJACENT TO 27010 THOUSAND OAKS BLVD
 AGOURA HILLS, CA 91301
 LOTS 34,505A
 LONGCS -118,78861

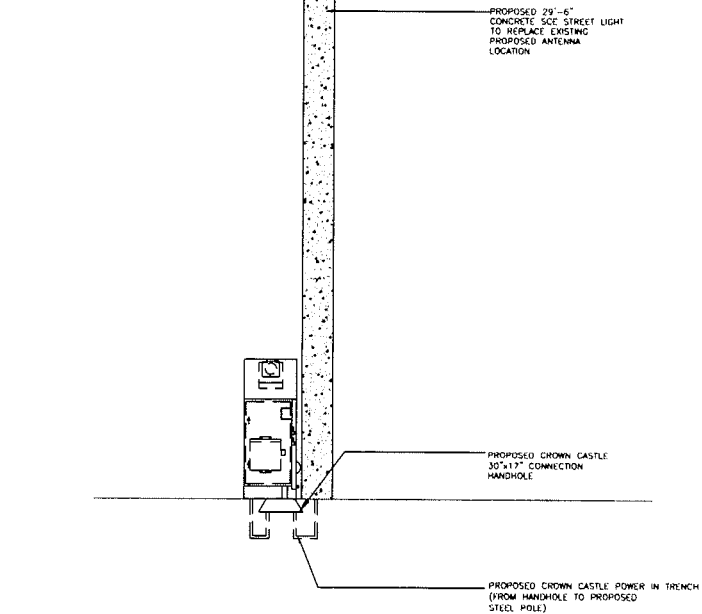
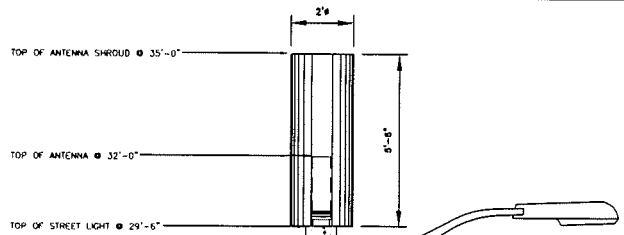
SHEET TITLE:
SITE PLAN AND ELEVATION

DRAWING INFO:
 DWG. NAME: DRAWN BY: DATE:
 FC FC 01/26/14

SHEET NUMBER:
 A-1

SITE PLAN

SCALE: 1"=40'-0"



POLE ELEVATION

SCALE: 3/16"=1'-0"

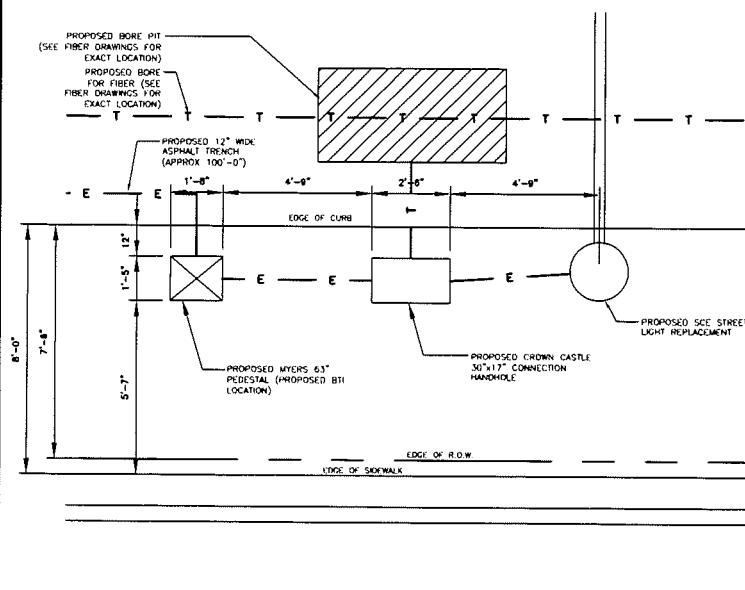
4



EXISTING PHOTO

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

1



RISER PROFILE

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

3

REV.	DATE/BY:	REVISION DESCRIPTION:
0	FC	ISSUED FOR REVIEW
1	03/03/11	REVIEW
1	FC	ISSUED FOR FINAL
	01/13/14	FINAL
2	FC	ISSUED FOR FINAL
	01/24/14	FINAL

ENGINEER/CONSULTANT:

Civil Engineer



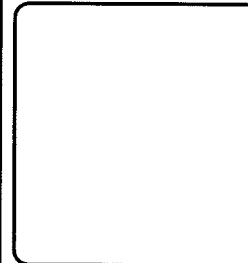
CORNELL DESIGN GROUP, LLC

CONSULTING ENGINEERS
2641 HAZARD FREE BLVD SUITE 1000 FORT COCKERILL, CA 91301
PH: 626.270.0700 FAX: 626.270.0701

CLIENT:



STAMP:



SITE INFO:

SITE NAME:
TDOK15m1
MPC1048CA-TDOK15m1

SITE ADDRESS: THOMAS BROS PAVE 557 GRID HS
ROW ADJACENT TO 27010 THOUSAND OAKS BLVD
AGOURA HILLS, CA 91301
LATS: 34.5458
LONGS: -118.76981

SHEET TITLE:

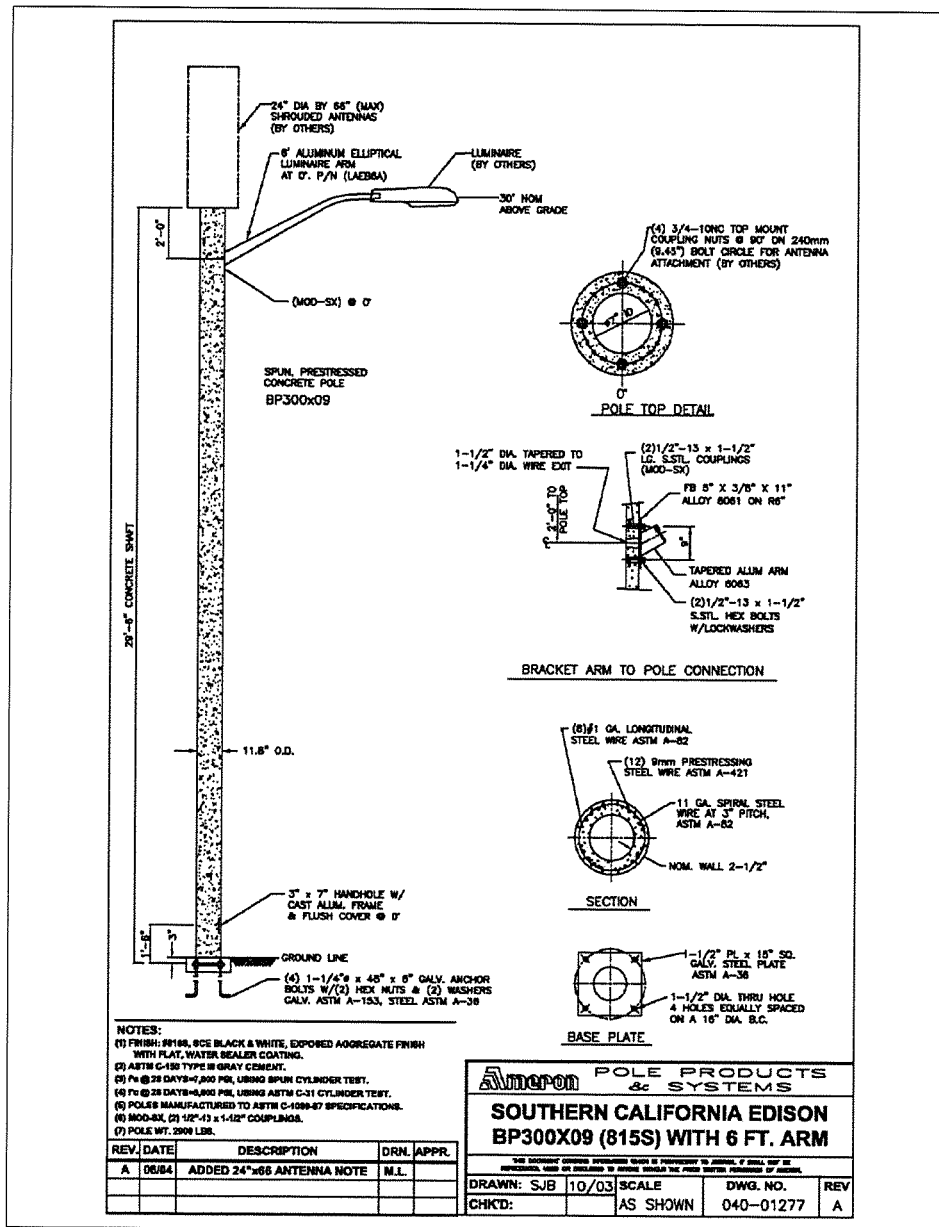
ELEVATION

DRAWING INFO:

DWG. NAME:	DRAWN BY:	DATE:
	FC	01/24/14

SHEET NUMBER:

A-2



- NOTES:
- (1) FINISH: #118, S.CE BLACK & WHITE, EXPOSED AGGREGATE FINISH WITH FLAT, WATER BEADER COATING.
 - (2) ASTM C-150 TYPE II GRAY CONCRETE.
 - (3) Fc @ 28 DAYS=4,800 PSI, USING SPUN CYLINDER TEST.
 - (4) Fc @ 28 DAYS=4,800 PSI, USING ASTM C-31 CYLINDER TEST.
 - (5) POLES MANUFACTURED TO ASTM C-1089-87 SPECIFICATIONS.
 - (6) MOD-SX, (7) 1/2"-13 x 1-1/2" COUPLINGS.
 - (7) POLE WT. 2008 LBS.

REV.	DATE	DESCRIPTION	DRN.	APPR.
A	08/04	ADDED 24" DIA ANTENNA NOTE	M.L.	

POLE PRODUCTS & SYSTEMS

SOUTHERN CALIFORNIA EDISON
BP300X09 (815S) WITH 6 FT. ARM

THIS DOCUMENT CONTAINS PROPRIETARY RIGHTS IS PRESENTED TO AGENCIES, IF SUCH ARE BE REPRESENTED, AND IS TO BE RELEASED TO PUBLIC SHOULD THE PUBLIC INTEREST WARRANT IT.

DRAWN: SJB	10/03	SCALE	DWG. NO.	REV
CHK'D:		AS SHOWN	040-01277	A

REV.	DATE/BY:	REVISION DESCRIPTION:
0	FC 03/03/11	ISSUED FOR REVIEW
1	FC 01/13/14	ISSUED FOR FINAL
2	FC 01/24/14	ISSUED FOR FINAL

ENGINEER/CONSULTANT:

Civil Engineer

CONNELL DESIGN GROUP, LLC
 11000 THE CROWN CENTER
 2655 RAYBURN PARKWAY SOUTH LAKE FOREST, CA 92649
 WWW.CDG.COM TEL: (949) 753-0333 FAX

CLIENT:

CROWN CASTLE
 NG WEST, LLC

STAMP:

SITE INFO:

SITE NAME: **TDOK15m1**
MPC1048CA-TDOK15m1

SITE ADDRESS: THOMAS BROS PAGE 557 GRID H5
 ROW ADJACENT TO 27010 THOUSAND OAKS BLVD
 AGOURA HILLS, CA 91301
 LOTS 3415454
 LINGS -118,76961

SHEET TITLE:

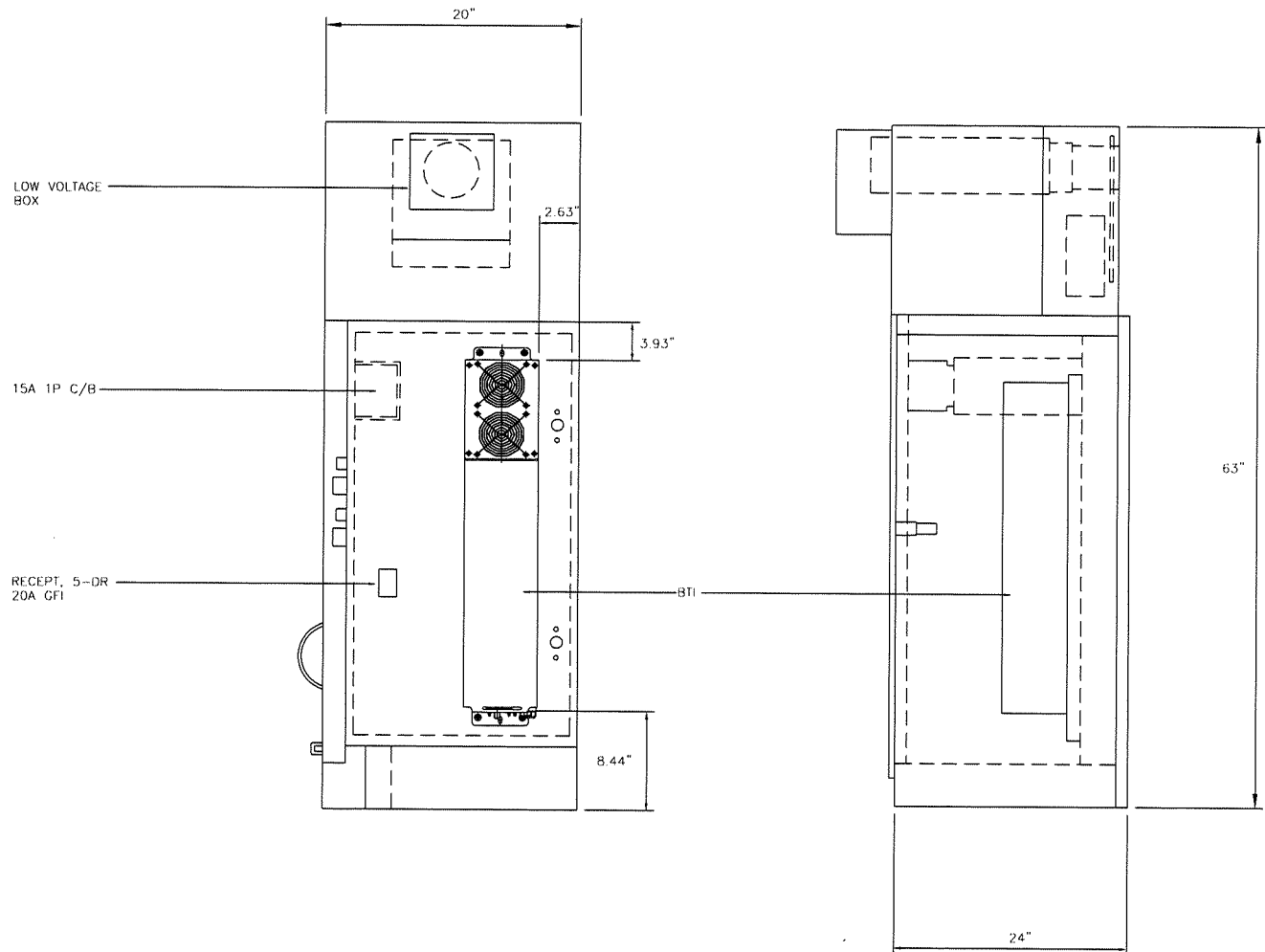
DETAILS

DRAWING INFO:

DWG. NAME:	DRAWN BY:	DATE:
	FC	01/24/14

SHEET NUMBER:

D-2



REV.	DATE/BY:	REVISION DESCRIPTION:
0	FC 03/03/11	ISSUED FOR REVIEW
1	FC 01/13/14	ISSUED FOR FINAL
2	FC 01/24/14	ISSUED FOR FINAL

ENGINEER/CONSULTANT:
 Civil Engineer
CDG
 CONNELL DESIGN GROUP, LLC
CONNELL DESIGN GROUP, LLC
 2645 RANCH FOREST DRIVE IN LAKE FOREST, CA 92643
 PH: 714.947.1177 FAX: 714.947.1147

CLIENT:
CROWN CASTLE
 NG WEST, LLC

STAMP:

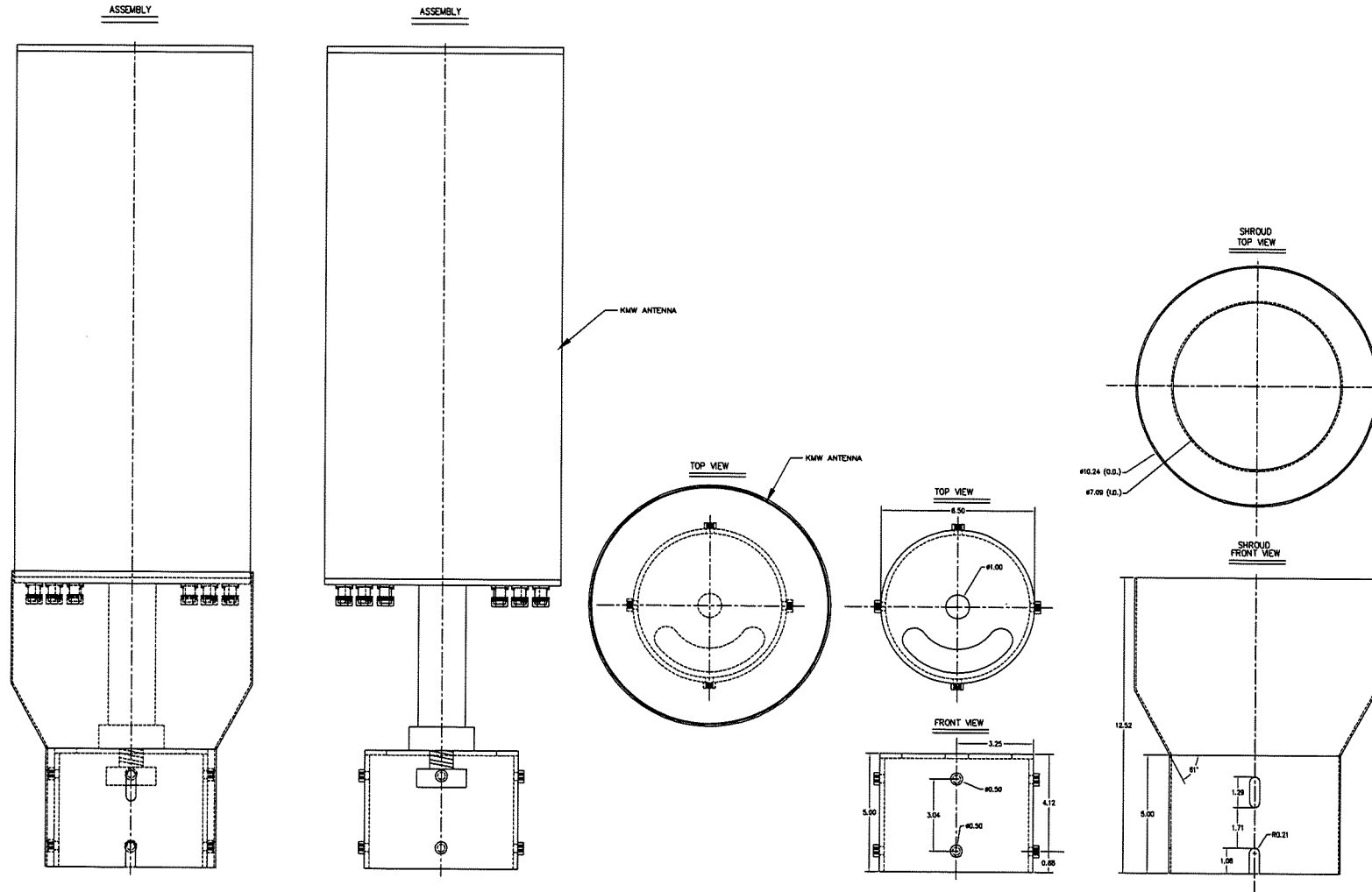
SITE INFO:
 SITE NAME: TDOK15m1
 MPC1048CA-TDOK15m1
 SITE ADDRESS: THOMAS BROS PAGE 557 GRID H5
 ROW ADJACENT TO 27010 THOUSAND OAKS BLVD
 AGOURA HILLS, CA 91301
 LOTS 3415454
 LONGS -118,78961

SHEET TITLE:
DETAILS

DRAWING INFO:		
DWG. NAME:	DRAWN BY:	DATE:
	FC	01/24/14

SHEET NUMBER:
D-3

--- RED HIDDEN LINES Represents any line of an object that is hidden from view.
 --- BLUE SOLID LINES Represents any line of an object that is visible in a particular view.
 --- BLACK HIDDEN LINES Represents items that are "cut" included in KIT.



REV.	DATE/BY:	REVISION DESCRIPTION:
0	FC 03/03/11	ISSUED FOR REVIEW
1	FC 01/13/14	ISSUED FOR FINAL
2	FC 01/24/14	ISSUED FOR FINAL

ENGINEER/CONSULTANT:
 Civil Engineer
CDG
 CONNELL DESIGN GROUP, LLC
10000 LINDEN BLVD #10000
2645 RANCH PARKWAY SOUTH LAKE FOREST, CA 92650
PH: 714.467.0747 FAX: 714.467.0747

CLIENT:
CROWN CASTLE
 NG WEST, LLC

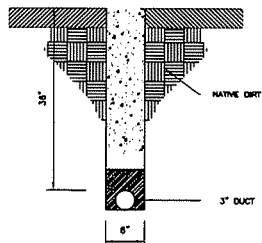
STAMP:

SITE INFO:
 SITE NAME: TDOK15m1
 MPC1048CA-TDOK15m1
 SITE ADDRESS: THOMAS BROS PAGE 557 GRID H5
 ROW ADJACENT TO 27010 THOUSAND OAKS BLVD
 AGOURA HILLS, CA 91301
 LOTS 343404
 LONGS -118,78961

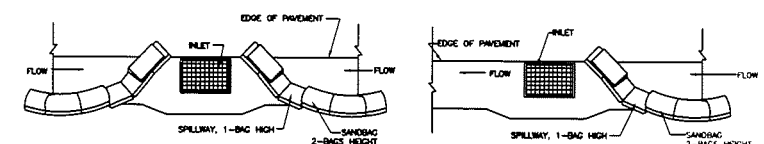
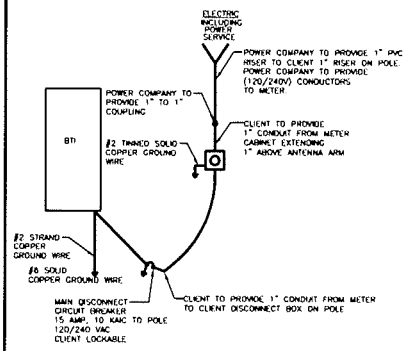
SHEET TITLE:
DETAILS

DRAWING INFO:
 DWG. NAME: DRAWN BY: DATE:
 FC FC 01/24/14

SHEET NUMBER:
D-4



* TRENCH TO BE BACK FILL WITH NATIVE MATERIAL & COMPACTED TO 90% OR BETTER & REPLACE LANDSCAPING IN KIND



TYPICAL PROTECTION FOR INLET WITH OPPOSING FLOW DIRECTIONS TYPICAL PROTECTION FOR INLET WITH SINGLE FLOW DIRECTION

- NOTES:**
1. INTENDED FOR SHORT-TERM USE.
 2. USE TO RESIST NON-STORM WATER FLOW.
 3. ALLOW FOR PROPER MAINTENANCE AND CLEANUP.
 4. BAGS MUST BE REMOVED AFTER AGUACENT OPERATION IS COMPLETED.
 5. NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS WITHOUT FILTER FABRIC.

REV.	DATE/BY:	REVISION DESCRIPTION:
0	FC 03/03/11	ISSUED FOR REVIEW
1	FC 01/23/14	ISSUED FOR FINAL
2	FC 01/24/14	ISSUED FOR FINAL

ENGINEER/CONSULTANT:
Civil Engineer
CDG
CONNELL DESIGN GROUP, LLC
CONSULTING CIVIL ENGINEERS
2411 BAY STREET, SUITE 100, SAN DIEGO, CA 92101
PH: 619.444.0000 FAX: 619.444.0001

CLIENT:
CROWN CASTLE
NG WEST, LLC

STAMP:

SITE INFO:
SITE NAME: **TDOK15m1**
MPC1048CA-TDOK15m1
SITE ADDRESS: THOMAS BRIDG PAGE 557 GRID H5
ROW ADJACENT TO 27010 THOUSAND OAKS BLVD
AGOURA HILLS, CA 91301
LATS: 34.154584
LONGS: -118.78881

SHEET TITLE:
DETAILS

DRAWING INFO:
DWG. NAME: DRAWN BY: DATE:
FC FC 01/24/14

SHEET NUMBER:
D-1

TRENCH DETAIL N.T.S. 5

ELECTRIC SINGLE LINE DIAGRAM N.T.S. 3

STORM DRAIN INLET PROTECTION N.T.S. 1

Drawn by: [Signature]
Checked by: [Signature]
DATE: 01/24/14
PROJECT: [Project Name]

1 INTRODUCTION
The m80C-020 is a fiber transport DAS system. The system consists of a HU (Host Unit) and a RU (Remote Unit). The HU is located in a 19" rack. It can either be utilized in an indoor or outdoor environment. The output power of the HU is 40W. The transport between HU and RU is fiber optic. The downlink and uplink optical signal are duplicated so there is only one fiber required. This document provides the installation guide for Remote Unit.

2 GENERAL DESCRIPTION
The Remote Unit, shown in Figure 1, consists of optical module (OM), downlink power amplifier (LNA) and Receiver. The Optical module converts the downlink optical signal from the HU and splits the RF signal into 3 RUs. It also converts the uplink RF signal to an optical signal and simultaneously sends it to the HU. Each optical module can support 3 RU in any combination of different bands.
The Remote unit provides the following functions:

- Convert forward optic signal to RF signal
- Booster the forward RF signal from HU to high power level (max output 40W)
- Amplify the uplink signal from antenna to improve the system receive sensitivity

Figure 1. Remote Unit

© 2009, Haver Tech Inc. Page 4

DA-X-AW-14-85-02T3
Fixed Electron Down-Tilt Antenna

1710 - 2150MHz, X-pol, H35° / V18°

Electrical Specifications	
Frequency Range	1710-2150MHz
Gain	15.0 dBi @ 1800MHz
Gain 3 dB Beam	5.0 dBi
Beamwidth:	Horizontal: 36°
	Vertical: 18.2°
VSWR	<1.4:1
Polarization	Dual, Vert. / Horiz.
Impedance	50Ω
Feed Electrical Distance	2"
Horizontal Beam Sweeping	NA
Upper 1° Side-lobe Suppression	>18 dB
Front-to-Back Ratio	>20 dB
Relative Intermodulation, IM3	<-130 dBm (0.1dBm, 70mW)
Input Maximum CW Power	200 W

Notes: Specifications are subject to change.

Mechanical Specification	
Dimensions (D x H x W)	18.11 x 14.26 x 10.00 inches
Weight	15.0 lbs (without Mounting Adapter)
Conductor	316 L (316L) / Inconel
Max. TYP. Speed	180deg

Horizontal Pattern Vertical Pattern (31.7°)

www.haver-tech.com

COVER FEATURES:

- PW - 10 400 LBS. WHEEL LOAD ON 10" X 10" PLATE.
- APPROX. WT. = 72 LBS.
- POLYMER CONCRETE
- POLYMER CONCRETE
- ONE PIECE COVER
- FOUR BOLT DOWN
- COLOR: CONCRETE GREY
- NON-SKID SURFACE

HANDHOLE FEATURES:

- POLYMER CONCRETE RING AND FIBERGLASS REINFORCED POLYMER BODY
- COLOR OF RING: CONCRETE GREY
- APPROX. WT. = 120 LBS.

CROWN CASTLE CONNECTION HANDHOLE N.T.S.

BTTI SPECIFICATIONS N.T.S. 6

ANTENNA SPECIFICATIONS N.T.S. 4

HANDHOLE DETAIL N.T.S. 2

EXHIBIT B

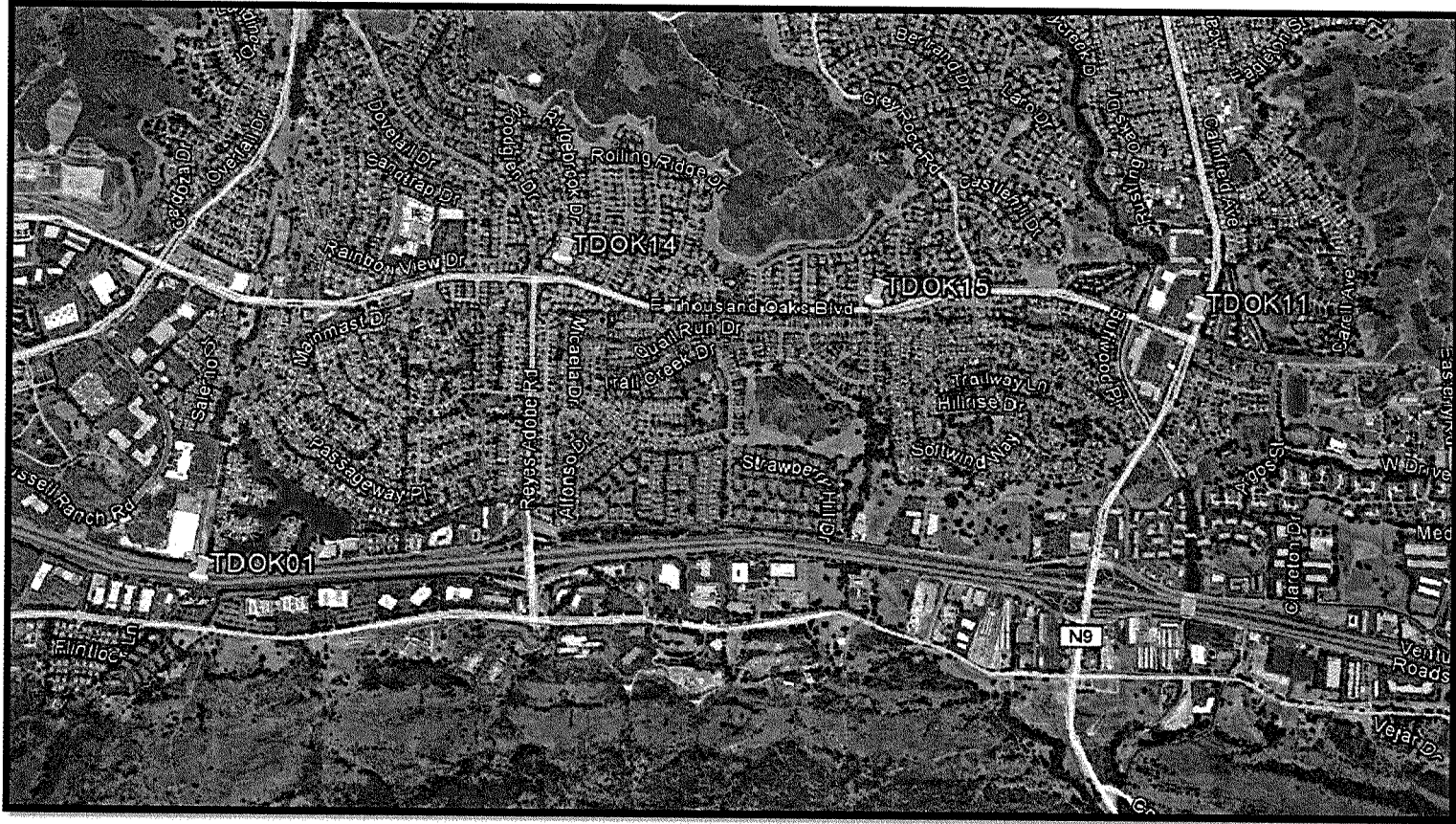
INSTALLATION LOCATIONS

Attached behind this page are descriptions and diagrams indicating the location at which the Wireless Telecommunication Facilities covered by this Agreement will be installed.

All locations must comply with all provisions of the Agoura Hills Municipal Code, including but not necessarily limited those found in Section 9661.20 of the Municipal Code.

+

Exhibit B - Installation Locations



Carrier	Crown Node ID	Node Latitude	Node Longitude	Status	Address	Design
TMUS	TDOK01	34.14573	-118.79308	On-Air	30851 Agoura Road	Streetlight
TMUS	TDOK11	34.15412	-118.75723	On-Air	5709 Kanan Road	Traffic Signal
TMUS	TDOK14	34.15578	-118.78038	On-Air	30225 Thousand Oaks Blvd	Traffic Signal
TMUS	TDOK15	34.15452	-118.769	On-Air	27010 Thousand Oaks Blvd	Streetlight

EXHIBIT C

FORM OF PERFORMANCE BOND

Attached behind this page is the form of the performance bond required pursuant to this Agreement.