

CITY OF CULVER CITY

Received: Initials_____ Date_____

Wireless Telecommunications Facility Permit Application

INTRODUCTION

- a. All applicants for a wireless telecommunication facility (“WTF”) permit must complete this application and submit all documentation requested thereunder. A permit is required for all facilities for the provision of wireless services including antennas, poles, towers, cables, and wires.
- b. For all applications, you must submit three (3) copies of this application with exhibits attached, a permit fee and deposit(s).
- c. Submit all application materials in person to the following location:
 - i. City of Culver City – Department of Public Works/Engineering Division
9770 Culver Blvd., Culver City, CA 90232
 - ii. Please call (310) 253-5600 for office hours.

INSTRUCTIONS

- a. Complete the following application in its entirety.
- b. All written responses to the questions below must be typed in 12 point font. Several questions require you to attach as exhibits supplemental documentation and commentary to support your answers below. All your exhibits must be marked as directed in the application. All supporting documentation must be clear and legible. All exhibits must be stapled or bound to the application or properly ordered if the application is submitted electronically.

NOTICE REQUIREMENTS

- a. Compliance with the public noticing requirements of the attached Exhibit A.
- b. Provide proof that all applicable public notices articulated in the CCMC and the noticing policies of the City of Culver City (“City”) have been met.
- d. Provide the City twenty (20) days advance notice of an upcoming shot clock expiration date to provide the City with a final opportunity to approve or deny the application before it is deemed approved.

I. Contact Information

- a. Property address (or, if multiple locations are involved, attach list of each location):

- b. Assessor's Parcel No(s): N/A Public ROW

- c. Applicable homeowner's association: Unknown

- d. Contact information for the following:

i. **Wireless provider or operator:**

- (1) Name: T-Mobile West LLC
(2) Street Address: 3257 E. Guasti Rd., Suite 200
(3) City, State & Zip: Ontario, CA 91761
(4) Phone No.: 909-975-3688
(5) Fax No.: _____
(6) Email: jennifer.carney8@T-Mobile.com

ii. **Applicant:**

- (1) Name: Cody Blandino
(2) Street Address: 7543 Woodley Ave
(3) City, State & Zip: Van Nuys, CA 91406
(4) Phone No.: 626-324-4913
(5) Fax No.: _____
(6) Email: cblandino@synergy.cc
(7) Your property interest:
☐ Lease ☐ License ☐ Ownership
☒ Other: Representative for T-Mobile
(8) Name all parent, subsidiary, or sister companies of the Applicant.
a) _____
b) _____
c) _____

iii. **Contractor:**

- (1) Name: TBD
(2) Street Address: _____
(3) City, State & Zip: _____
(4) Phone No.: _____
(5) Fax No.: _____
(6) Email: _____
(7) California State Contractor's License #: _____

iv. **Person most knowledgeable about the proposed project:**

☒ Same as Applicant listed above.

- (1) Name: _____
- (2) Street Address: _____
- (3) City, State & Zip: _____
- (4) Phone No.: _____
- (5) Fax No.: _____
- (6) Email: _____
- (7) Contractor license class and number: _____

II. Application Type

For parts (1) – (2), provide a description supporting your selections below. Attach all rules, regulations, agreements, court documents, or other materials on which you base your response. Attach description and supporting documentation marked as Exhibit A.

1. Check the box(es) below that identify the statute(s) you believe govern(s) the application request:
 - a. ☒ Section 6409(a) of the Middle Class Tax and Job Creation Act of 2012 for collocation or modification to an existing commission-authorized Wireless Telecommunications service
 - b. ☐ Section 332(c)(7) of the Telecommunications Act for the provision of personal wireless telecommunications facilities
 - c. ☐ California Government Code Section 65964.1 (AB-57)
2. Check the box below pertaining to the shot clock you believe applies to your application:
 - a. ☒ 150 day shot clock for new facilities
 - b. ☐ 90 day shot clock for modifications resulting in a substantial change
 - c. ☐ 60 days shot clock for modifications that do not result in a substantial change
3. List below the application or permit numbers of all pending applications and permits issued by the City to applicant (or a related company) which relate directly or indirectly to this application. Include the date such permits were filed and issued.
 - a. N/A _____
 - b. _____
 - c. _____

III. Description of Project Coverage and Purpose

1. Provide a narrative description of the project. Your response shall include, but not be limited to, a description of the proposed facility or modification, the anticipated construction activities involved, the maintenance requirements and schedule for the new or modified facility, and the number of antennas to be installed. Provide any supporting documentation regarding the purpose of the project. **Attach and mark responses and documentation as Exhibit C1.**
2. Check the box below that most accurately identifies the primary purpose of the project:
 - a. ☐ Increase network capacity without adding new radio frequency coverage
 - b. ☐ Provide significant new radio frequency coverage in areas without radio frequency coverage
 - c. ☐ Increase existing radio frequency coverage in area with coverage
 - d. ☒ Other: Increasing network capacity within the area
3. Will the applicant use the telecommunications facilities, including cable television facilities requested herein to carry traffic on information for:
 - a. ☐ An affiliated company
 - b. ☐ Another certificated telephone company
 - c. ☐ A competitive access provider
 - d. ☐ A cable television or other entertainment company
 - e. ☐ Other: _____
4. Will the facilities proposed to be installed by the applicant be used for: ^{N/A}
 - a. ☐ Cable television or video entertainment services
 - b. ☐ An Open Video System under FCC rules
 - c. ☐ Any service not authorized by Applicant's California Public Utilities Commission Certificate
5. Is the purpose of the project, in whole or in part, designed to close what you believe to be a "significant gap" in coverage?
 - a. ☐ Yes
 - b. ☒ No

If you selected "Yes" above, provide a justification study that provides the following:

 - a. A detailed explanation of the coverage gap that the proposed use would serve;
 - b. The rationale for selecting the proposed use;
 - c. An explanation that identifies whether the proposed project is the least intrusive means of closing the significant gap and on what basis the applicant believes the project to be the least intrusive means. **Attach and mark as Exhibit C2.**
6. Provide three (3) copies of each of the following geographic and propagation maps illustrating the following:
 - a. Geographic boundaries of a significant gap in coverage, if applicable.
 - b. The proposed site that identifies the location of existing wireless telecommunications facilities owned and/or operated by the applicant.
 - c. Location of the proposed facility in relation to all existing and planned facilities maintained within the City by the applicant, operator, and owner, if different

- entities.
 - d. Existing network or radio frequency coverage.
 - e. Proposed radio frequency coverage. **Attach and mark as Exhibit C3.**
7. Provide a description identifying the geographic service area for the subject installation. **Attach and mark as Exhibit C4.**

IV. Project Location and Authorizations

1. If the facility will be sited in the PROW, state or provide the following:
 - a. Your authority to locate the facility in the PROW (state law, federal law, or franchise agreement); **Attach and mark as Exhibit D1a.**
 - b. If applicable, include a copy of the certificate of public convenience and necessity (CPCN). **Attach and mark as Exhibit D1b;**
 - c. Whether a new pole (that is not replacing an existing pole) in an otherwise permitted location is proposed. If so, provide a new pole justification analysis to demonstrate why existing infrastructure cannot be utilized and how the new pole is the least intrusive means possible; **Attach and mark as Exhibit D1c.**
2. If the facility will be co-located on a structure owned by someone other than the owner of the proposed installation provide:
 - a. Written authorization by any and all property owners authorizing the placement of the facility on or in the property owner's property. **Attach and mark as Exhibit D2.**
3. If applicable, provide the following letter(s) of authorization to collocate, modify, or provide services:
 - a. If the applicant is an agent, provide a letter of authorization from the owner of the facility. **Attach and mark as Exhibit D3a.**
 - b. If the owner will not directly provide wireless telecommunications services, provide a letter of authorization from the person or entity that will provide those services. **Attach and mark as Exhibit D3b.** Not applicable, T-Mobile will be the owner of the pole.
4. Are you willing to share facilities if approached by a qualified company? If so, provide a description of your willingness to share facilities. Specify whether (1) you would be willing to share an available conduit or inner duct, fiber strands in a fiber cable, splice boxes, or trenching costs in a joint construction project; (2) you reviewed pending applications or recently granted permits in the City for opportunities to share facilities. **Attach and mark as Exhibit D4.** T-Mobile is not able to share the pole due to space constraints
5. In areas where it would minimize the impact on residents and business, will you be using directional boring? If not, why not. **Attach and mark as Exhibit D5.**

V. Radio Frequency (“RF”) Emissions and Monitoring Requirements

1. Provide proof or certification of completion of the RF emissions exposure guidelines checklist contained in Appendix A to the Federal Communications Commission’s (“FCC”) “Local Government Official’s Guide to Transmitting Antenna RF Emission Safety”. ***Attach and mark as Exhibit E.*** The Guide can be found at: http://wireless.fcc.gov/siting/FCC_LSGAC_RF_Guide.pdf.
2. Pursuant to the completed checklist referenced above, will the facility be “categorically excluded” under the FCC regulations for RF emissions?
 - a. ☒ Yes
 - b. ☐ No

If you selected “No” above, provide a technically detailed report certified by a qualified radio frequency engineer indicating the following:

- i. The amount of RF emissions expected from the proposed facility;
- ii. The associated accessory equipment required;
- iii. The cumulative impacts of the other existing facilities at the site to the extent permitted by federal law, including co-located facilities;
- iv. That the proposed facility individually or combined with the cumulative emissions of on-site facilities will not exceed applicable standards set by the FCC.

VI. Engineering Plans for the Facility and Equipment

Submit one (1) electronic copy and three (3) hard copies of stamped detailed engineering plans of the proposed facility and related reports prepared and signed by a professional engineer registered in the state of California documenting the following:

1. Height, diameter, design of the facility, including technical engineering specifications, economic and other pertinent factors governing selection of the proposed design, together with evidence that demonstrates that the proposed facility has been designed to the minimum height and diameter required from a technological standpoint for the proposed site. Additionally, describe the conduit(s) that will be installed as part of the proposed construction, including the size, number of conduits, nature of inner duct (if any), material (HPDE, PVC, etc.), and manufacturer. ***Attach and mark as Exhibit F1.***
2. A cross-section of the tower structure. ***Attach and mark as Exhibit F2.***
3. A photograph and model name and number of each piece of equipment included. ***Attach and mark as Exhibit F3.***
4. Power output and operating frequency for the proposed antenna. ***Attach and mark as Exhibit F4.***
5. Total anticipated capacity of the structure, indicating the number and types of antennas and power and frequency ranges, which can be accommodated. ***Attach and mark as Exhibit F5.***
6. Structural calculation demonstrating the structural integrity of the proposed facility. ***Attach and mark as Exhibit F6.***
7. Wind velocity test. An evaluation of high wind load capacity shall include the impact of a modification to an existing facility. ***Attach and mark as Exhibit F7.***
8. Seismic analysis. ***Attach and mark as Exhibit F8.***

VII. Site Plans

1. ***Attach the following documentation or information:***

- a. One (1) electronic copy and three (3) hard copies of the site plans to scale in compliance with City requirements including, but not limited to, the requirements contained in the CCMC. ***Attach and mark as Exhibit H1a.***
 - i. The site plans must at minimum include:
 - (1) The location and dimensions of the existing facility and maximum height above ground of the facility;
 - (2) The benchmarks and data used for elevations;
 - (3) The location of existing accessways and the location and design for all proposed accessways;
 - (4) The exact proposed location of the pole, antennas, accessory equipment, and landscaped areas;
 - (5) The location of existing utilities and adjacent land uses;
 - (6) The design of the facility, including the specific type of support structure, type, location, size, height, and configuration of applicant's existing and proposed facilities;
 - (7) If applicable, the method by which an antenna will be attached to the mounting structure.
 - (8) The location of the overhead plant that will be installed, even if it is not subject to this application. Not applicable no overhead plant will be installed.
- b. Three (3) copies of the Master Plan of all existing and proposed facilities. The Master Plan shall reflect all locations anticipated for new construction and/or modifications to existing facilities, including collocation, that are anticipated to be installed within the next two years from submittal of this application. ***Attach and mark as Exhibit H1b.***
- c. If applicable, three (3) copies of the scaled conceptual landscape plan showing existing trees and vegetation and all proposed landscaping, concealment, screening and proposed irrigation. Provide a description of how the chosen material at maturity will screen the site. ***Attach and mark as Exhibit H1c.*** The proposed equipment will be surrounded by existing landscaping
- d. Three (3) sets of scaled and dimensioned photo simulations of the before and after images of the project and project site from at least three (3) different angles and three (3) sets of an accurate visual impact analysis showing the maximum silhouette, viewshed analysis, color and finish palette and proposed screening for the facility. ***Attach and mark as Exhibit H1d.***

VIII. Alternative Sites

1. List a minimum of three (3) alternative sites for the proposed project, including at least one (1) collocated site.

a. **Alternative 1:**

- i. Address of property: 4159 Elenda St.
- ii. Property owner(s) name(s): Elenda LLC
 - (1) Address: 4159 Elenda St
 - (2) Telephone number: N/A
- iii. Zoning designation: Residential High Density Multiple
- iv. General Plan designation: Medium Density Multiple Family
- v. Explanation of why Alternative 1 is inferior to proposed project.

Attach and mark as Exhibit I1.

b. **Alternative 2:**

- i. Address of property: 9770 Culver Blvd.
- ii. Property owner(s) name(s): City of Culver City
 - (1) Address: 9770 Culver Blvd
 - (2) Telephone number: 310-253-6000
- iii. Zoning designation: Transportation
- iv. General Plan designation: Open Space
- v. Explanation of why Alternative 2 is inferior to proposed project.

Attach and mark as Exhibit I2.

c. **Alternative 3: (Must be a collocated site.)**

- i. Address of property: 10912 Washington Blvd
- ii. Description of existing installation: Transportation
- iii. Property owner(s) name(s): Hudson 10950 Washington LLC
 - (1) Address: 10912 Washington Blvd
 - (2) Telephone number: N/A
- iv. Zoning designation: Commercial Regional Business Park
- v. General Plan designation: Light Industrial
- vi. Explanation of why Alternative 3 is inferior to proposed project.

Attach and mark as Exhibit I3.

IX. Anticipated Impacts and Other Confounding Factors

Provide descriptions, commentary, and supporting documentation relating to the following:

1. A noise study prepared by a qualified acoustic engineer documenting that the level of noise to be emitted by the proposed facility will comply with the CCMC. ***Attach and mark as Exhibit J1.***
2. If needed, a completed environmental assessment. ***Attach and mark the as Exhibit J2.***
3. Historic preservation review. ***Attach and mark the application as Exhibit J3.***
4. A construction traffic control plan if the proposed installation is to be sited on any street in a non-residential zone. ***Attach and mark as Exhibit J4.***

X. Other Requirements

1. All other documentation certifying that all applicable licenses or other approvals required by the FCC have been obtained to provide the services proposed in connection with the application. ***Attach and mark as Exhibit K1.***
2. Any copies of all documents the applicant is required to file pursuant to the Federal Aviation Administration regulations for the facility. ***Attach and mark as Exhibit K2.***
3. All other documentation required by the CCMC. ***Attach and mark as Exhibit K3.***

XI. Exceptions to the Application Requirements

1. Do you believe you are entitled to an exception to the requirement(s) of this application, including, but not limited to, exceptions from findings that would otherwise justify denial?
 - a. ☐ Yes
 - b. ☒ No
2. If you selected “Yes” above, provide all information and studies necessary for the City to evaluate a request for an exception to the requirements of this application. The narrative must demonstrate with clear and convincing evidence that denial of the facility would violate state and/or federal law, violate any applicable provision of the Culver City Municipal Code or deprive the applicant of its rights under state and/or federal law. ***Attach and mark as Exhibit L.***

XII. Supplemental Materials for Projects Subject to 6409

You must complete this section if you selected the box in Section II titled “Application Type” that indicates your project is subject to 6409. For parts (1) – (6), provide a narrative description and any supporting documentation for the selections you make below. ***Attach and mark as Exhibit M.***

1. Is the application for an eligible facilities request?
 - a. ☐ Yes
 - b. ☒ No
2. Will the proposed project cause a substantial change in the physical dimension of the structure? N/A
 - a. ☐ Yes
 - b. ☐ No
3. Does the structure at issue involve an existing wireless tower or base station?
 - a. ☐ Yes
 - b. ☒ No
4. Check the box(es) below that are applicable to your project:
 - a. ☒ Allocation of new transmission equipment
 - b. ☐ Removal of transmission equipment
 - c. ☐ Replacement of transmission equipment
5. If your project does not involve excavation, tower installation, or tower modification in the PROW, answer the following questions:
 - a. Does the project propose a height increase of less than 10% or no more than one additional antenna not more than 20 feet in height (whichever is greater)?
 - b. Does the project propose a width increase of less than 20 feet?
 - c. Will the project require excavation near the ground-mounted equipment?
 - d. Will the project preserve all existing concealment elements of the current tower or base station?
 - e. Will the proposed collocation preserve all prior conditions of approval that do not conflict with FCC regulations for a substantial change?
 - f. Does the project propose adding four or fewer additional equipment cabinets?
6. If your project involves excavation, tower or base station installation, or tower or base station modification in the PROW, answer the following questions:
 - a. Does the project propose a height increase of less than 10% or 10 feet (whichever is greater)? N/A
 - ☐ Yes
 - ☐ No

- b. Does the project propose a width increase of less than 6 feet?
☐ Yes
☐ No
- c. Does the project propose excavation entirely within the anticipated lease area of private property? ^{N/A}
☐ Yes
☐ No
- d. Will the project preserve all existing concealment elements of the current tower or base station? ^{N/A}
☐ Yes
☐ No
- e. Will the proposed collocation preserve all prior conditions of approval that do not conflict with FCC regulations for a substantial change? ^{N/A}
☐ Yes
☐ No
- f. Does the project propose adding four or fewer additional equipment cabinets?
☒ Yes
☐ No

XIII. Certification

Applicant agrees to comply with the City's land use and planning process (including public notification) for the location of any structures or facilities to be placed in or adjacent to the City's public rights-of-way. The applicant further agrees to provide all necessary information requested by the City including required documentation to conduct applicable CEQA review.

Signed under penalty of perjury, this 29 day of September, 2016.

Applicant Name (owner of the facilities): T-Mobile

Printed Name of Authorized Representative: Cody Blandino

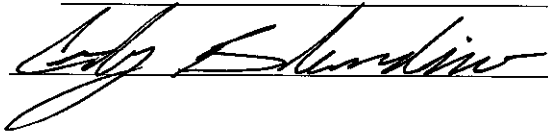
Signature of Authorized Representative: 

Exhibit "A"
Notice Requirements
for
Wireless Telecommunications Facilities Permits

All applicants for Wireless Telecommunications Facilities permits shall comply with the following notice requirements:

1. Notice of the applicant's pending application shall be mailed, by the applicant, at least 5 days prior to any installation, to the owners and occupants of all property within a 300 foot radius of each of the proposed wireless facilities; provided, however, that the Director of Public Works has the discretion to require that applicants send notices beyond this minimum mailing area.
2. The contents of the mailed notice shall include, at a minimum:
 - a. A description of the location of each proposed wireless facility with sufficient specificity to allow notice recipients to be able to locate the involved location without requiring any additional information
 - b. Photo simulations of the proposed installation
 - c. The manner in which additional information may be obtained
 - d. Any other information deemed necessary by the Director of Public Works or his/her designee
3. The applicant shall also post the notice in compliance with the following specifications:
 - a. In a conspicuous place at the location of the proposed wireless facility and at least 21 days prior to any construction or installation.
 - b. Be 12 square feet in sign area
 - c. A minimum of 4 feet in height from the ground level with a maximum height of 8 feet
 - d. Not be illuminated
 - e. Include the name and telephone number of the applicant
 - f. Include the telephone number of the Public Works Department
 - g. Contain only lettering whose size, style and color have been approved by the Director of Public Works
 - h. Include photo simulations of the proposed wireless facility
 - i. Remain in place until completion of construction and final approval by the City
 - j. Be removed, by the applicant, no later than 10 days after completion of construction and final approval of the project by Culver City
4. Submit to the Director of Public Works an affidavit verifying that the applicant has mailed and posted notices in full compliance with these notice requirements

City of Culver City
Proposed T-Mobile Wireless Facility

PROJECT OVERVIEW:

T-Mobile is proposing to install new cell wireless telecommunications facilities on Culver Blvd that will include (1) ground mounted cabinet (57" H x 51.18" W x 27.5" D), (1) Power meter pedestal (48" H x 16.25" W x 17" D) on a 3' x 9' concrete pad 145' North East of Elenda St. Curb face 12'5"-12'8" from North West curb face of Culver Blvd roughly 4' from sidewalk in parkway. Additionally, a 30' tall stealth pole with radome to house 3 antennas will be placed 160' North East from Elenda St. curb face 3' North West of Culver Blvd curb face to serve surrounding residential uses and businesses in the City of Culver City and within County of Los Angeles. Cabinets will be painted to match existing vegetation and monopole will be painted to match near by concrete street lights. (3) Heteromeless Arbutoflia will be added between the side walk and the equipment to shield equipment. These low-profile public right of way pole instillation's offer a less intrusive solution than traditional cell towers and rooftop antenna facilities. Thus, making them most likely unrecognizable as wireless equipment to the average citizen.

Customer needs require that T-Mobiles design and maintain its network so that customers experience average data rates sufficient to stream video. Any areas that do not meet this minimal standard represents to increase service network capacity. Specifically, this project will help increase network capacity by providing wireless telecommunications services and faster data rates in this portion of the City.

T-Mobiles City of Culver City proposed project will involve placement of antennas and associated equipment on a proposed slimline pole within the City, within the public right of way. Each site has a coverage radius of a few hundred feet and works in combination with the other existing T-Mobile wireless telecommunications facilities to operate a network to provide the necessary wireless services. The proposed facility is the best available and least intrusive means to help close T-Mobiles significant service coverage gap in this portion of the City by providing service coverage to businesses in the area, and providing sufficient throughput data rates to meet customer demands.

The (3) proposed antennas are placed on the pole inside a radome with the proposed top of pole height measuring 40' (above ground height. The proposed ground mount equipment will include (1) equipment cabinet and (1) power meter pedestal all within the public right of way.

EQUIPMENT Details:

T-Mobile facility will consist of (3) antenna's (56.6"H x 12.9" W x 8.7" D) in stealth radome, (1) ground mounted cabinet (57" H x 51.18" W x 27.5" D), (1) Power meter pedestal (48" H x 16.25" W x 17" D)

Exhibit C1

Antennas and equipment boxes can be painted to match the utility poles or surrounding area. The sites are unmanned and require minimal maintenance, with one or two annual inspections.

COMPLIANCE WITH FCC RULES FOR RADIO FREQUENCY:

T-Mobile ensures that all its cell sites meet FCC rules for radio frequency exposure. The transmit power levels emitted by cell installations drop off rapidly by the distance to accessible areas beneath the antennas and produce exposure levels well below the FCC's maximum permissible exposure (MPE) levels for the general population (GP). At the physical antenna levels, appropriate precautions, such as warning signs and labels, are used to protect workers ensuring that exposure in those areas don't exceed the FCC's MPE limits.



CODY BLANDINO



7543 Woodley St., Suite #201

Van Nuys, CA 91406

(626) 324-4913

cblandino@synergy.cc



January 03, 2018

City of Culver City – City Hall
9770 Culver Blvd.
Culver City, CA. 90232

**Re: Supporting “Significant Gap” Justification and Commentary
T-Mobile LA33664E – W/O 10875 Culver Blvd**

To Whom It May Concern:

Is the purpose of the project, in whole or in part, designed to close what you believe to be a “Significant Gap” in coverage? **Yes**

- a. A detailed explanation of the coverage gap that the proposed use would serve.

T-Mobile is a public utility, licensed and regulated by the State Public Utilities Commission (PUC) and the Federal Communications Commission (FCC), providing a wireless communication network for consumer and business customers, as well as public emergency services. The proposed placement location will provide an integral link in T-Mobile’s Los Angeles County network, providing coverage along Culver Blvd. and most of the nearby community, as well as off-load surrounding sites. This location was chosen because it provides the most coverage for the significant capacity loss in the area and the right of way was chosen because there are no buildings in the surrounding area that would provide the needed support (See prop maps). At present, T-Mobile is experiencing coverage problems, as well as problems with capacity, in the surrounding area in regards to the new 4G technology.

- b. The rationale for selecting the proposed use.

- **Alternative emergency response communications for police, fire, paramedics and other emergency services.**
- **Better voice and reception quality through use of enhanced digital technologies.**
- **Higher security and privacy for telephone users.**
- **Broadband data services for high speed data applications used in mobile devices such as PDAs and laptops.**
- **More affordable service due to increased competition in the market area.**

- c. An explanation that identifies whether the proposed project is the least intrusive means of closing the significant gap and on what basis the applicant believes the project to be the least intrusive means.

The design submitted to the city is the least intrusive that we have to place in the right of way. The antennas are shielded so that cables and antennas are not visible to the public. We propose that the pole be painted to match the neighboring street light and the proposed is not located

in the residence. The nearby street light cannot be used due to the trees that would block T-Mobile's signal. T-Mobile's existing unmanned wireless telecommunications facility meets all of the requirements set forth in the City of Culver City Municipal Code. The existing facility is located in the public right-of-way. T-Mobile is able to meet network capacity objectives by adding a new facility,

If you should have any additional questions or concerns, please don't hesitate to contact me directly.

Respectfully,

A handwritten signature in black ink, appearing to read "Cody Blandino", is displayed within a light gray rectangular box.

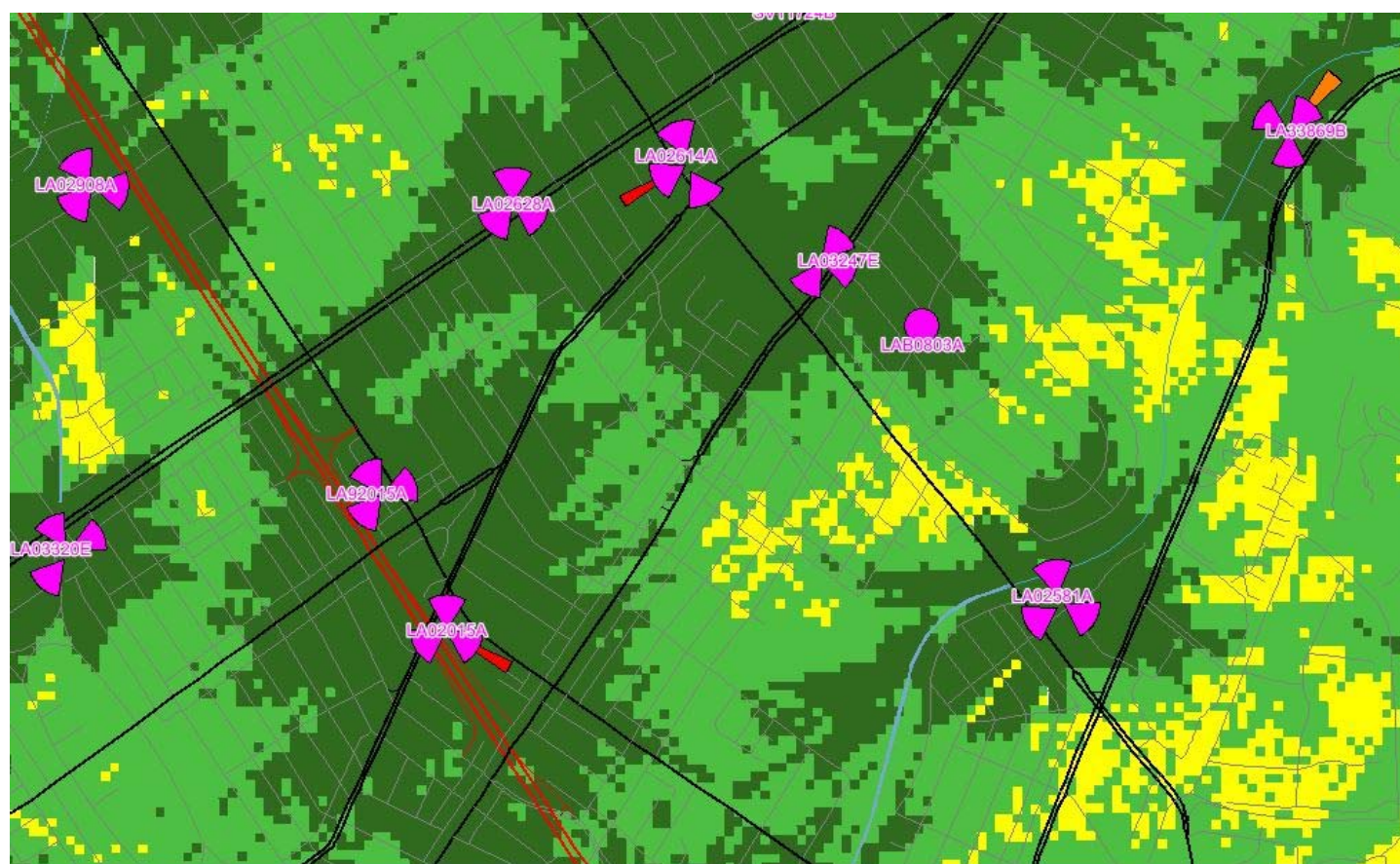
Cody Blandino | *Permit Coordinator*

Synergy Engineering Services, Inc.

7543 Woodley Avenue, Suite 201 | Van Nuys, CA 91406

c: 626.324.4913 | f: 818.840.0708 | e: cblandino@synergy.cc

Exhibit C3

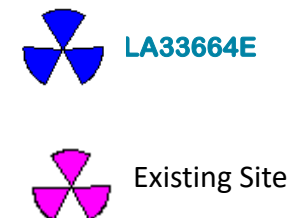


 Existing Site

Legend

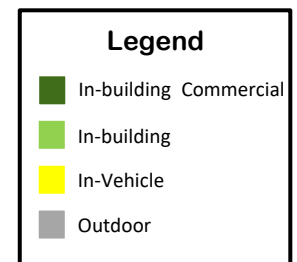
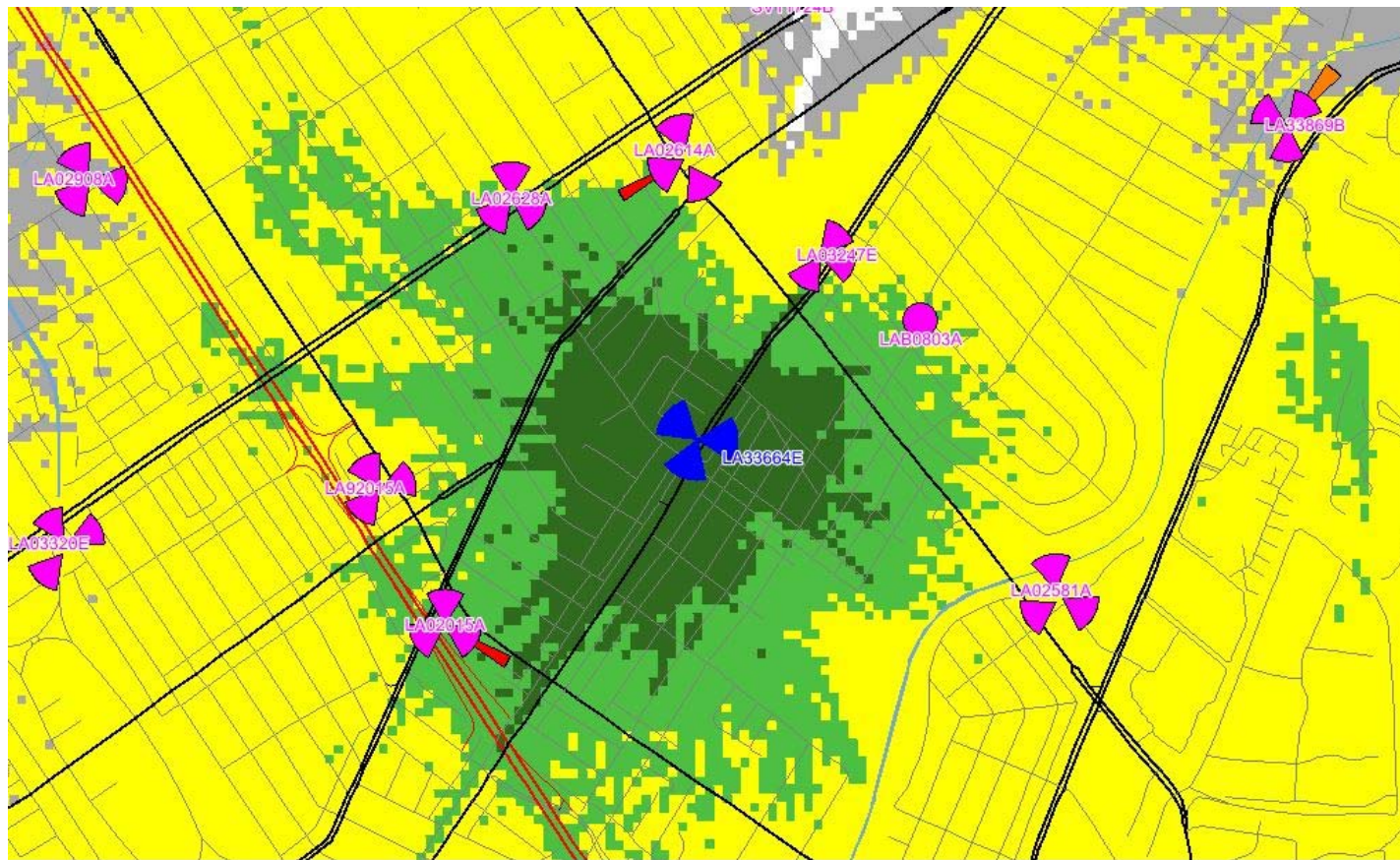
- In-building Commercial
- In-building
- In-Vehicle
- Outdoor

Prediction of LTE 2100 Coverage with LA33664E (37.5 ft) Exhibit C3 T-Mobile



Legend	
	In-building Commercial
	In-building
	In-Vehicle
	Outdoor

Prediction of LTE 2100 Coverage of LA33664E (37.5 ft) Exhibit C3



Prediction of LTE 2100 Best Server Plot vs Traffic (sterling) Exhibit C3 T-Mobile

Off load : LA03247E3, LA02015A2

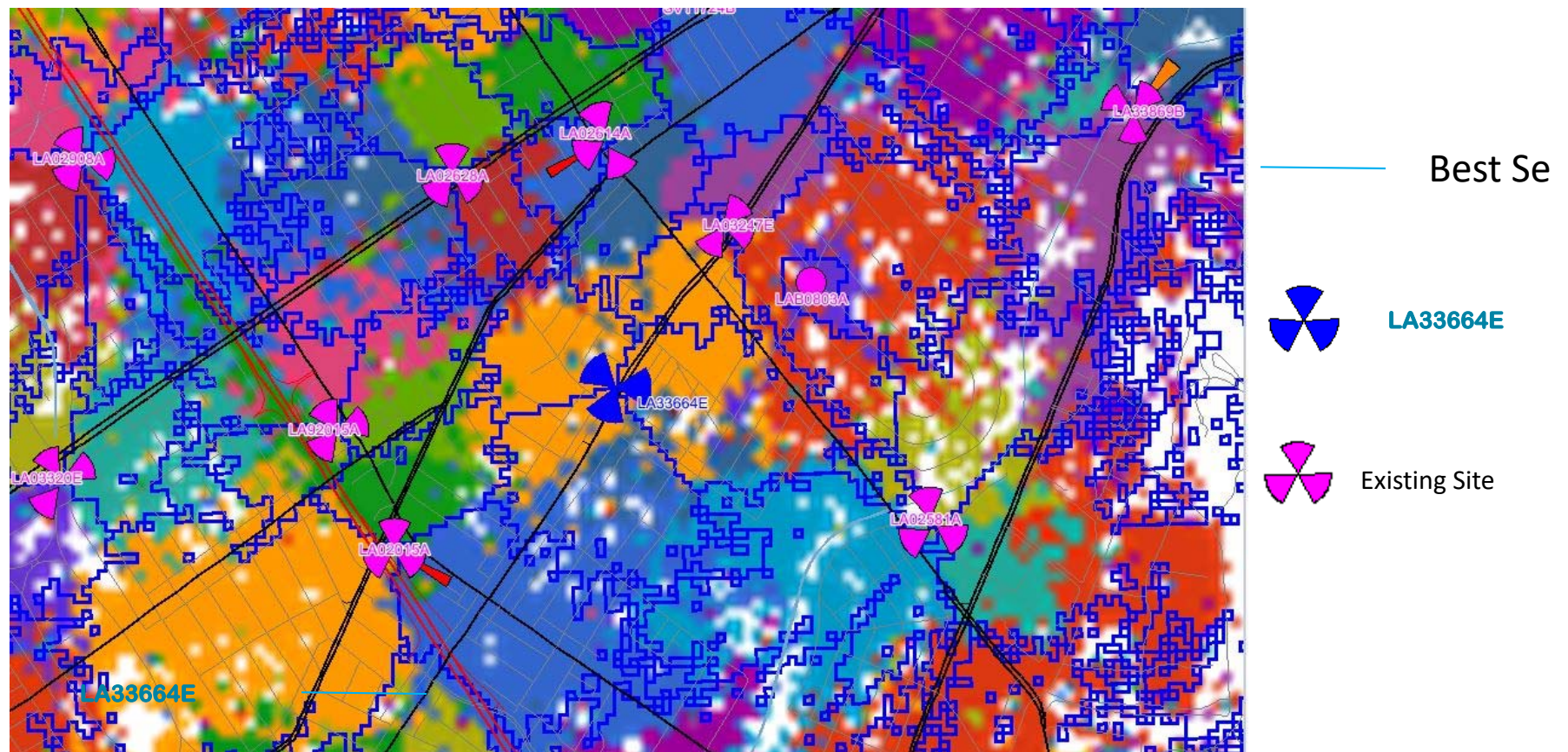
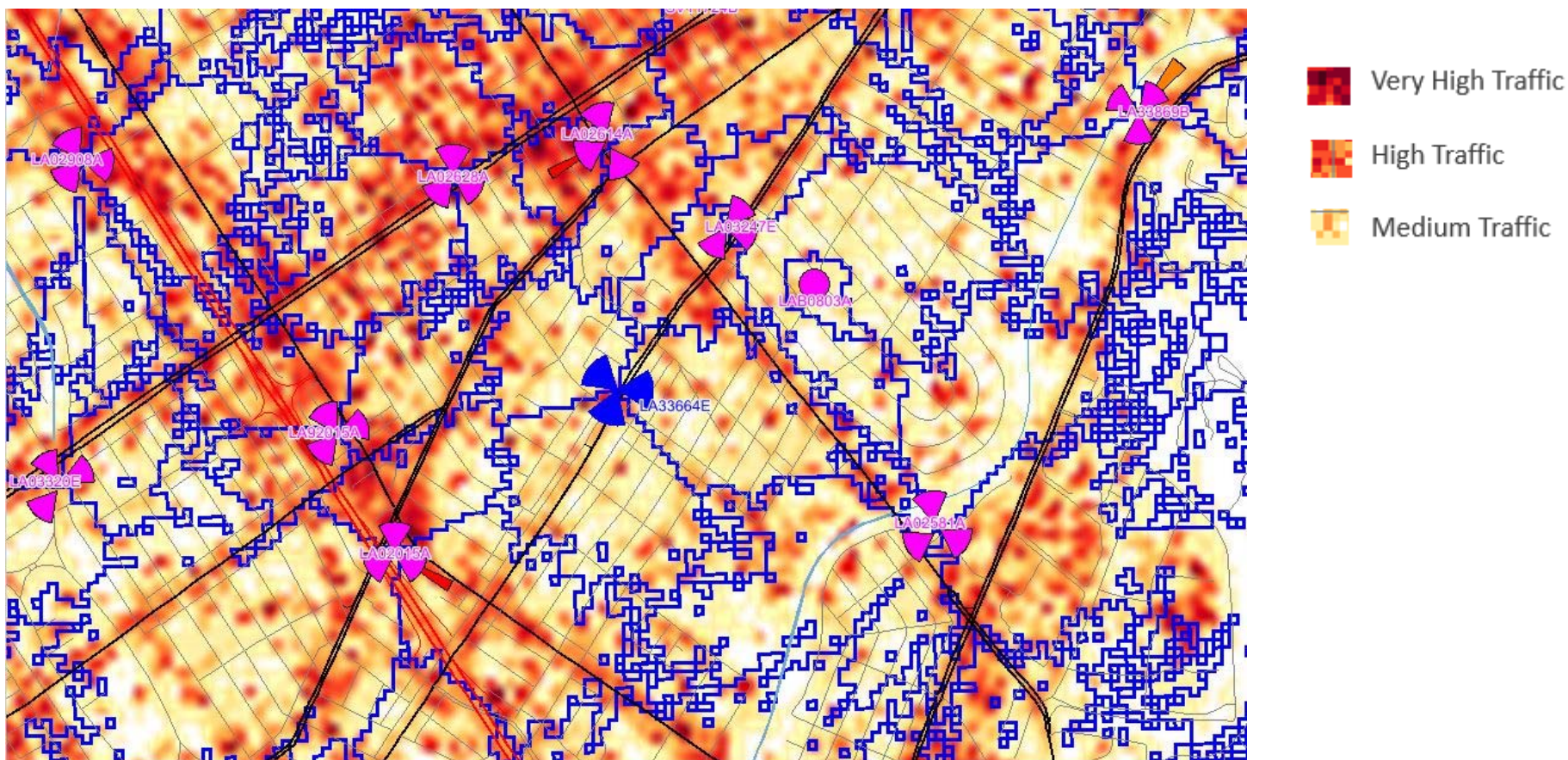


Exhibit C3



















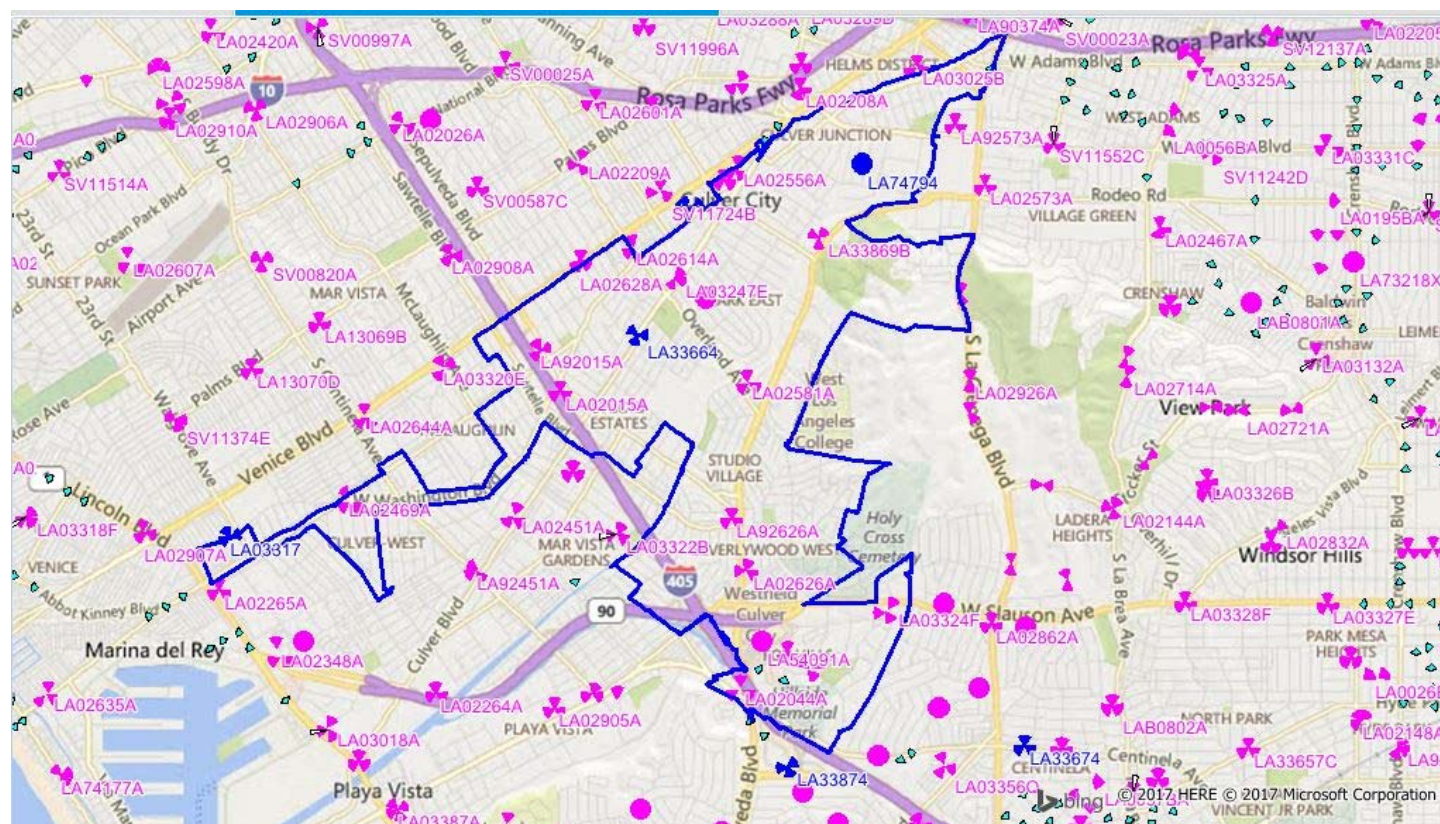












January 03, 2018

City of Culver City – City Hall
9770 Culver Blvd.
Culver City, CA. 90232

**Re: Identifying Geographic Service Area
T-Mobile LA33664E – W/O 10875 Culver Blvd**

To Whom It May Concern:

Provide a description identifying the geographic service area for the subject installation:

The proposed wireless telecommunications facility (WTF) is located on a major street adjacent to a residential track where it is low enough to be non-intrusive but tall enough to increase coverage. Across the street there are tennis courts and a little further north there is a museum and recreational building where there is a pool more tennis courts and a baseball diamond. The new WTF would provide service should an emergency at any of those recreational places and emergency services would be needed.

The proposed facility will provide residents and community benefits, not limited to the following:

- **Alternative emergency response communications for police, fire, paramedics and other emergency services.**
- **Better voice and reception quality through use of enhanced digital technologies.**
- **Higher security and privacy for telephone users.**
- **Broadband data services for high speed data applications used in mobile devices, such as PDAs and laptops.**
- **More affordable service due to increased competition in the market area.**

If you should have any additional questions or concerns, please don't hesitate to contact me directly.

Respectfully,

A handwritten signature in black ink, appearing to read 'Cody Blandino', with a stylized flourish at the end.

Cody Blandino | *Permit Coordinator*

Synergy Engineering Services, Inc.
7543 Woodley Avenue, Suite 201 | Van Nuys, CA 91406
c: 626.324.4913 | f: 818.840.0708 | e: cblandino@synergy.cc



January 03, 2018

City of Culver City – City Hall
9770 Culver Blvd.
Culver City, CA. 90232

**Re: Project Location and Authorizations
T-Mobile LA33664E – W/O 10875 Culver Blvd**

To Whom It May Concern:

Clarification of new Pole:

T-Mobile is proposing to install a new 30' tall stealth pole with radome to house 3 antennas. The new pole will be placed 160' North East from Elenda St. curb face 3' North West of Culver Blvd curb face to serve surrounding residential users and businesses in the City of Culver City and within County of Los Angeles. This location was chosen in to maximize service needs in the area. There were no surrounding above ground facilities that we could attach to, to achieve desired coverage. The nearby Street light is surrounded by trees that would block service. Please see provided Exhibit's C2-C3 that show our proposed location is in the center of existing sites therefore justifying the proposed location and the reason for placing the new pole in the right of way.

If you should have any additional questions or concerns, please don't hesitate to contact me directly.

Respectfully,

A handwritten signature in black ink, appearing to read 'Cody Blandino', is written over a light gray rectangular background.

Cody Blandino | *Permit Coordinator*

Synergy Engineering Services, Inc.
7543 Woodley Avenue, Suite 201 | Van Nuys, CA 91406
c: 626.324.4913 | f: 818.840.0708 | e: cblandino@synergy.cc



January 03, 2018

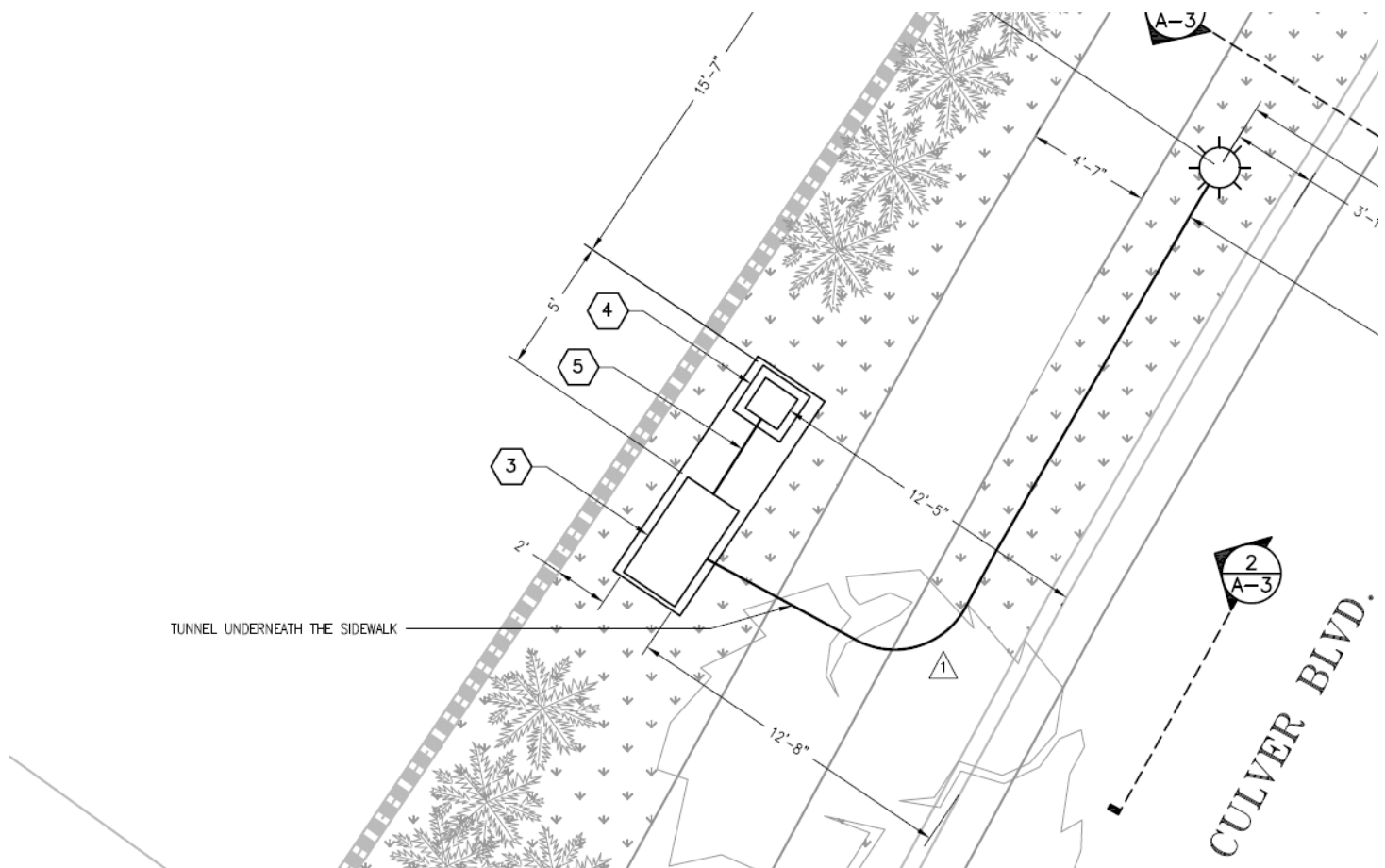
City of Culver City – City Hall
9770 Culver Blvd.
Culver City, CA. 90232

**Re: Project Location and Authorizations
T-Mobile LA33664E – W/O 10875 Culver Blvd**

To Whom It May Concern:

Boring Clarification:

T-Mobile will be hand digging trench in parkway and tunneling under sidewalk. All landscaping to be replaced as is.



If you should have any additional questions or concerns, please don't hesitate to contact me directly.

Respectfully,

A handwritten signature in black ink, appearing to read 'Cody Blandino', is displayed within a light gray rectangular box.

Cody Blandino | *Permit Coordinator*

Synergy Engineering Services, Inc.

7543 Woodley Avenue, Suite 201 | Van Nuys, CA 91406

c: 626.324.4913 | f: 818.840.0708 | e: cblandino@synergy.cc



January 03, 2018

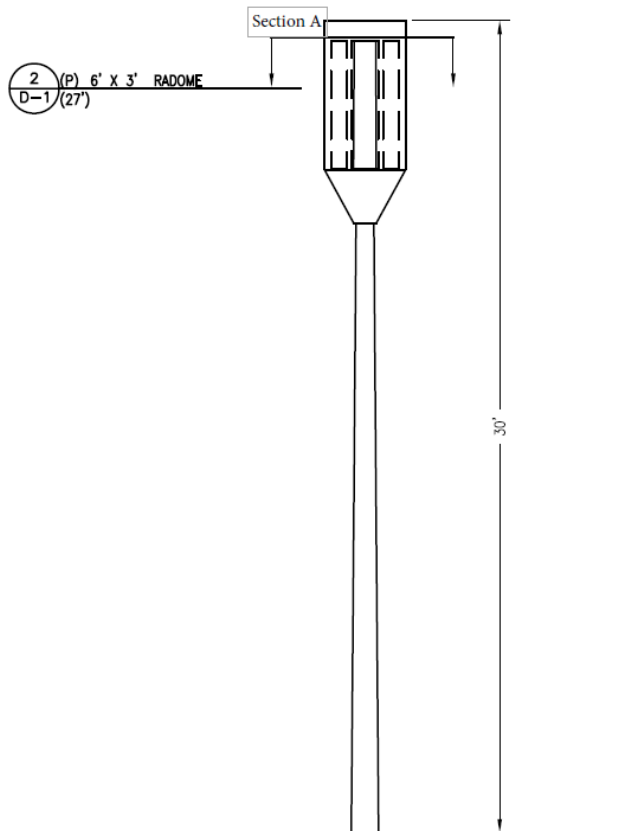
City of Culver City – City Hall
9770 Culver Blvd.
Culver City, CA. 90232

**Re: Engineering Plans for the Facility and Equipment
T-Mobile LA33664E – W/O 10875 Culver Blvd**

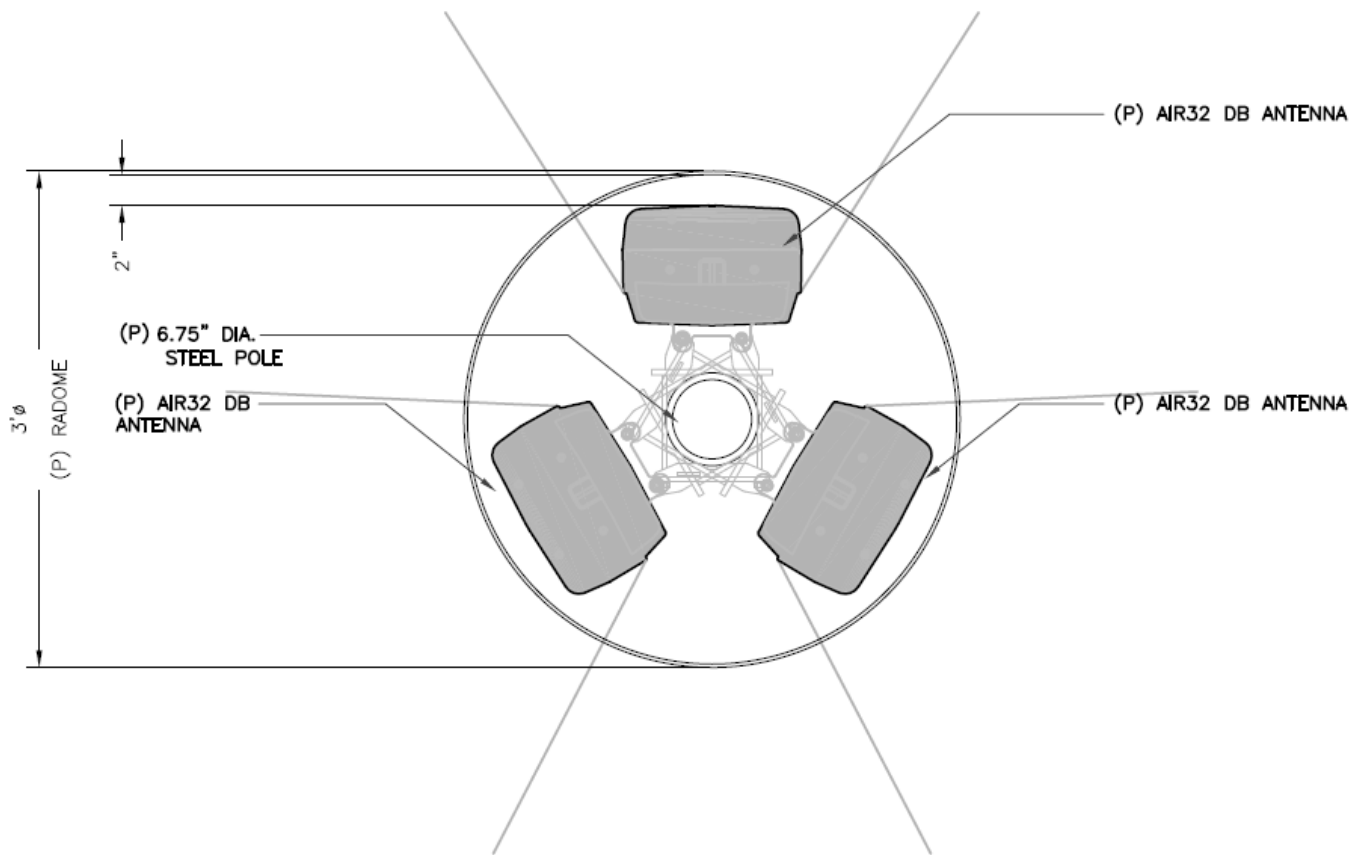
To Whom It May Concern:

Pole size justification:

T-Mobile is proposing to place 3 antenna's in the right of way in a shroud for stealth. The below is to show evidence that the minimum diameter radome was proposed to fit our required antenna's additionally the height of the originally proposed pole was 40' per your zoning we lowered it to 30' our radio frequency team re-ran the calculations and accepted the lower monopole.



Section A



If you should have any additional questions or concerns, please don't hesitate to contact me directly.

Respectfully,

Cody Blandino | Permit Coordinator

Synergy Engineering Services, Inc.

7543 Woodley Avenue, Suite 201 | Van Nuys, CA 91406

c: 626.324.4913 | f: 818.840.0708 | e: cblandino@synergy.cc

SUBMITTAL FOR CHARLOTTE PIPE® PVC SCHEDULE 80 PRESSURE PIPE AND FITTING SYSTEM

Date: _____

Job Name: _____

Location: _____

Engineer: _____

Contractor: _____

► Scope:

This specification covers PVC Schedule 80 pipe and fittings for pressure applications. This system is intended for pressure applications where the operating temperature will not exceed 140° F.

► Specification:

Pipe and fittings shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a cell class of 12454 as identified in ASTM D 1784.

PVC Schedule 80 pipe shall be Iron Pipe Size (IPS) conforming to ASTM D 1785. Injection molded PVC Schedule 80 fittings shall conform to ASTM D 2467. PVC Schedule 80 threaded fittings shall conform to ASTM D 2464. Pipe and fittings shall be manufactured as a system and be the product of one manufacturer. All pipe and fittings shall be manufactured in the United States. Pipe and fittings shall conform to NSF International Standard 61 or the health effects portion of NSF Standard 14.

► Installation:

Installation shall comply with the latest installation instructions published by Charlotte Pipe and Foundry and shall conform to all applicable plumbing, fire, and building code requirements. Buried pipe shall be installed in accordance with ASTM F 1668 and ASTM D 2774. Solvent cement joints shall be made in a two-step process with a primer meeting ASTM F 656 and a medium- or heavy-bodied solvent cement conforming to ASTM D 2564. The system shall be protected from chemical agents, fire-stopping materials, thread sealant, plasticized-vinyl products or other aggressive chemical agents not compatible with PVC compounds. The system shall be hydrostatically tested after installation. **WARNING!** Never test with or transport/store compressed air or gas in PVC pipe or fittings. Doing so can result in explosive failures and cause severe injury or death.

► Referenced Standards:

ASTM D 1784: Rigid Vinyl Compounds

ASTM D 1785: PVC Plastic Pipe, Schedule 80

ASTM D 2464 or D 2467: PVC Threaded Fittings, Schedule 80

ASTM D 2467: PVC Socket Fittings, Schedule 80

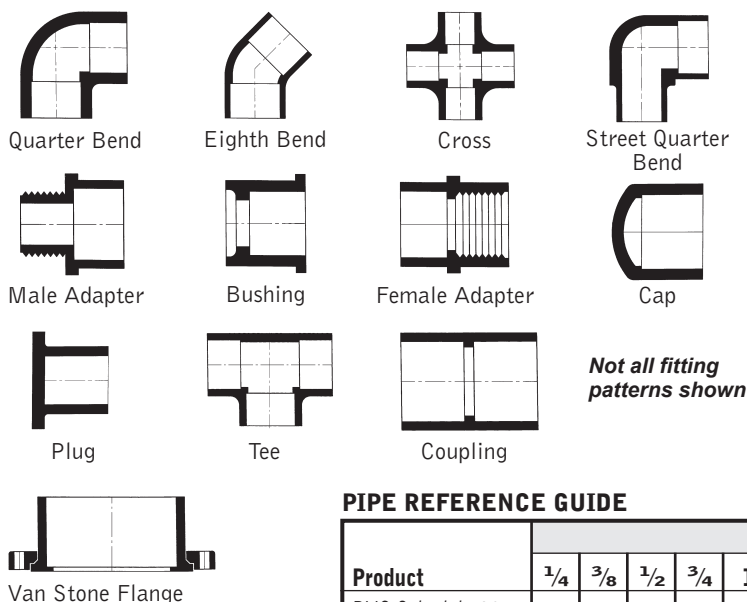
ASTM D 2564: Solvent Cements for PVC Pipe and Fittings

ASTM D 2774: Underground Installation of Thermoplastic Pressure Piping

ASTM F 1668: Procedures for Buried Plastic Pipe

NSF Standard 14: Plastic Piping Components & Related Materials

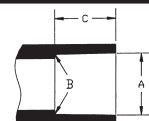
NSF Standard 61: Drinking Water System Components—Health Effects



PIPE REFERENCE GUIDE

Product	Sizes Available															
	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12
PVC Schedule 80	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Schedule 80 Tapered Socket Dimensions



PVC SCHEDULE 80 - ASTM D 2467

Nominal Size	Schedule 80 and Schedule 40 Socket Diameter Entrance A	Bottom B	Tolerance	Schedule 80 Socket Length C (Minimum)	Schedule 40 Socket Length C (Minimum)
1/2	0.848	0.836	±0.004	0.875	0.688
3/4	1.058	1.046	±0.004	1.000	0.719
1	1.325	1.310	±0.005	1.125	0.875
1 1/4	1.670	1.655	±0.005	1.250	0.938
1 1/2	1.912	1.894	±0.006	1.375	1.094
2	2.387	2.369	±0.006	1.500	1.156
2 1/2	2.889	2.868	±0.007	1.750	1.750
3	3.516	3.492	±0.008	1.875	1.875
4	4.518	4.491	±0.009	2.250	2.000
6	6.647	6.614	±0.011	3.000	3.000
8	8.655	8.610	±0.015	4.000	4.000
10	10.780	10.735	±0.015	5.000	5.000
12	12.780	12.735	±0.015	6.000	6.000

Charlotte Pipe and Foundry Company • P.O. Box 35430 Charlotte, NC 28235 • (800) 438-6091 • www.charlottepipe.com

Charlotte Pipe and Charlotte Pipe and Foundry Company are registered trademarks of Charlotte Pipe and Foundry Company.



January 03, 2018

City of Culver City – City Hall
9770 Culver Blvd.
Culver City, CA. 90232

**Re: Engineering Plans for the Facility and Equipment
T-Mobile LA33664E – W/O 10875 Culver Blvd**

To Whom It May Concern:

Equipment picture and Model name:

Please see below for requested information on proposed equipment.

6102 Cabinet:



Power pedestal:



Fiber cabinet:



If you should have any additional questions or concerns, please don't hesitate to contact me directly.

Respectfully,

A handwritten signature in black ink, appearing to read 'Cody Blandino'.

Cody Blandino | *Permit Coordinator*

Synergy Engineering Services, Inc.

7543 Woodley Avenue, Suite 201 | Van Nuys, CA 91406

c: 626.324.4913 | f: 818.840.0708 | e: cblandino@synergy.cc



AIR-32 B4A/B2P & B2A/B66AA

ERICSSON ANTENNA INTEGRATED RADIO AIR-32



Radio		
	Single Band (B4a/B2p)	Dual Band (B2a/B66Aa)
Band 2 (1850-1910 / 1930-1990 MHz)	Passive frequency band	Active frequency band
Band 4 (1710-1755 / 2110-2155 MHz)	Active frequency band	Subset of Band 66A (AWS 1+3)
Band 66A (1710-1780 / 2110-2180 MHz)	N/A	Active frequency band
PA Output Power	4 x 30W	2 x (4 x 30) W
Downlink EIRP in bore-sight direction for each active band	4 x 62.5 dBmi	4 x 62.5 dBmi
Instantaneous bandwidth	45 MHz (W, L)	B2: 40 MHz (W, L) B2: 20 MHz (G) B66A: 70 MHz (W, L)
Capacity (single standard per unit)	6 GSM 6 WCDMA 2 x 20 MHz LTE	6 GSM (B2 only) 6 WCDMA per Active frequency band 2 x 20 MHz LTE per band
Multi-RAT capability	WCDMA and LTE on both PAs	WCDMA and GSM on both PAs (B2 only) WCDMA and LTE on both PAs (B2 and B4) GSM and LTE (B2 only)

Exhibit F4



Interfaces		
Optical CPRI	2 x 10 Gbps	2 x 10 Gbps per Active frequency band
DC Power	-48 VDC 3-wire or 2-wire	-48 VDC 3-wire or 2-wire (separate input for both radios)
AC power (Optional)	PSU-AC 08	PSU-AC 08
Passive antenna	4 RF connectors (7/16 female)	N/A
Environmental		
Operating Temperature Range	-40 to +55 °C	-40 to +55 °C
Solar Radiation	$\leq 1,120 \text{ W/m}^2$	$\leq 1,120 \text{ W/m}^2$
Relative Humidity	5 to 100%	5 to 100%
Absolute Humidity	0.26 to 40 g/m ³	0.26 to 40 g/m ³
Maximum temperature change	1.0°C/min	1.0°C/min
Antenna		
Electrical Tilt	2° ÷ 12° (B4)	2° ÷ 12° (B66A)
	2° ÷ 12° (B2)	2° ÷ 12° (B2)
Bore-sight antenna gain	18 dBi (B4)	18 dBi (B66A)
	17.5 dBi (B2)	17.5 dBi (B2)
Nominal beam-width, azimuth	65° (B4)	65° (B66A)
	63° (B2)	63° (B2)
Nominal beam-width, elevation	6° (B4)	6° (B66A)
	6° (B2)	6° (B2)
Mechanical		
Weight	48 Kg (105.8 lbs)	60 Kg (132.2 lbs)
Dimensions (H x W x D)	1439 x 327 x 220 mm	1439 x 327 x 220 mm
	(56.60 x 12.90 x 8.70)	(56.60 x 12.90 x 8.70)
Wind load at 42 m/s (150 km/h)		
Front / Lateral / Rear	640N / 300N / 660N	640N / 300N / 660N



January 03, 2018

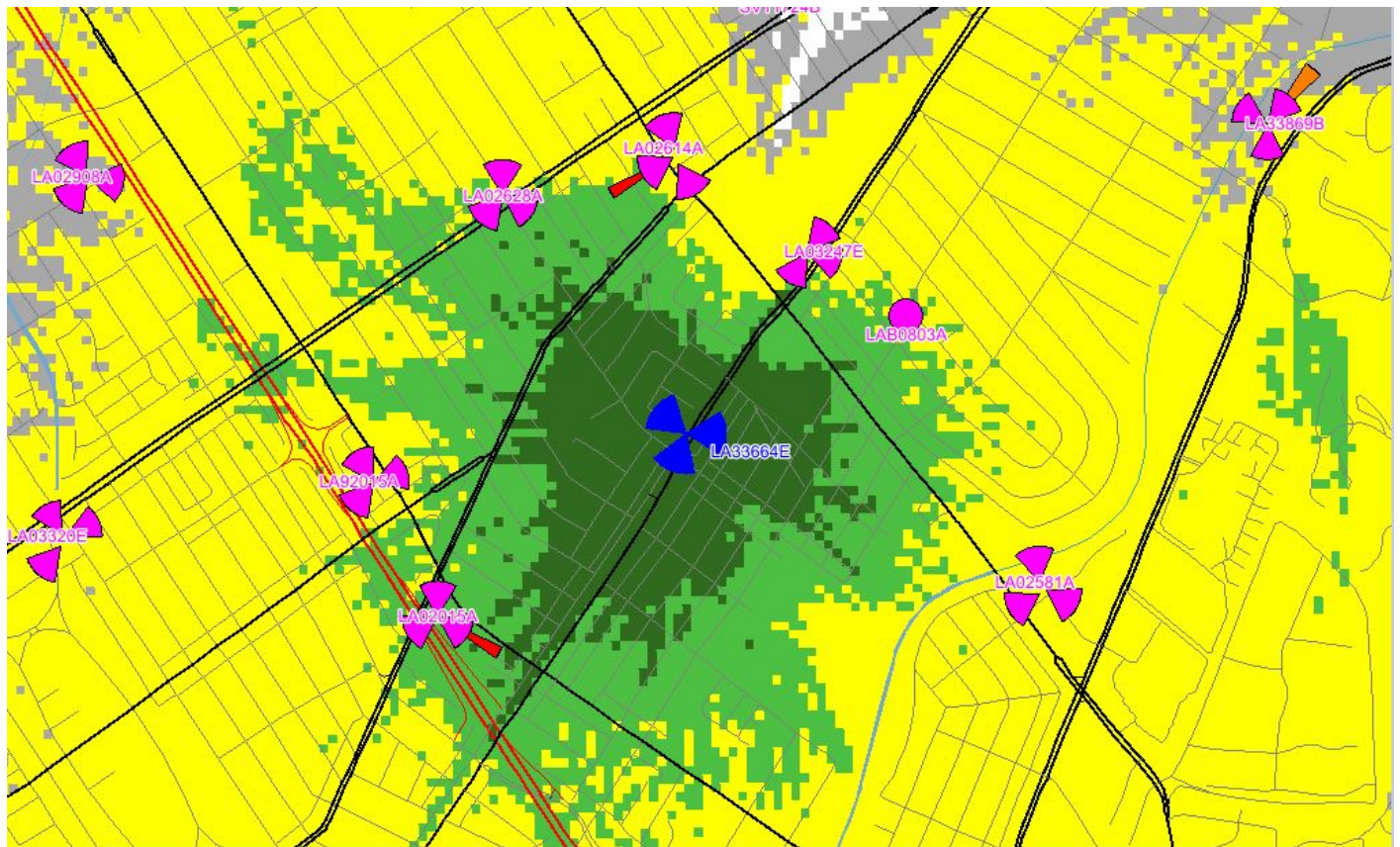
City of Culver City – City Hall
9770 Culver Blvd.
Culver City, CA. 90232

**Re: Engineering Plans for the Facility and Equipment
T-Mobile LA33664E – W/O 10875 Culver Blvd**

To Whom It May Concern:

Clarification of new Pole:

The capacity of the proposed structure is for 3 antenna's with a radome for stealth. Please refer to F4 for antenna power and frequency ranges. Below is the range of the proposed site by itself.



If you should have any additional questions or concerns, please don't hesitate to contact me directly.

Respectfully,

A handwritten signature in black ink, appearing to read "Cody Blandino", is displayed within a light gray rectangular box.

Cody Blandino | *Permit Coordinator*

Synergy Engineering Services, Inc.

7543 Woodley Avenue, Suite 201 | Van Nuys, CA 91406

c: 626.324.4913 | f: 818.840.0708 | e: cblandino@synergy.cc



SITE NUMBER : LA33664E

SITE NAME : CULVER ROW

SITE TYPE: ROW MACRO

SITE ADDRESS : W/O 10876 CULVER BLVD.,
CULVER CITY, CA 90230

JURISDICTION : CULVER CITY

PROJECT DESCRIPTION		SHEET INDEX				VICINITY MAP		
SCOPE OF WORK: PROJECT CONSISTS OF PLACING (1) 30’ SLIMLINE POLE WITH 6’ X 3’ RADOME & PLACING (1) 6102, (1) MEUG 16 POWER PEDESTAL & (1) BOXER CABINET FOR TELCO. SITE ADDRESS: W/O 10876 CULVER BLVD., CULVER CITY, CA 90230 APPLICANT: T-MOBILE WEST CORPORATION 3257 E GUASTI RD, SUITE 200 ONTARIO, CA 91761 CURRENT USE: PUBLIC RIGHT OF WAY PROPOSED USE: TELECOMMUNICATIONS FACILITY CURRENT ZONING: PUBLIC RIGHT OF WAY JURISDICTION: CITY OF CULVER CITY LATITUDE (NAD 83): 34.010656° LONGITUDE (NAD) 83: -118.405506° ELEVATION (NAD 83): 94’ AMSL	SHEET	DESCRIPTION						
	T-1	TITLE SHEET						
	T-2	ABBREVIATIONS AND NOTES						
	A-1	SITE PLAN						
	A-2	DETAIL PLAN						
	A-3	SITE ELEVATIONS						
	D-1	EQUIPMENT DETAILS						
	D-2	CONCRETE PAD						
	CONSULTING TEAM		APPROVALS					DRIVING DIRECTIONS
SAC / ZONING / PERMITTING SYNERGY DEVELOPMENT SERVICES, INC. 7543 WOODLEY AVENUE, SUITE 201 VAN NUYS, CA 91406 CONTACT: LUKE SNYDER PHONE: (818) 840-0808 FAX: (818) 688-8066 ENGINEER SYNERGY DEVELOPMENT SERVICES, INC. 7543 WOODLEY AVENUE, SUITE 201 VAN NUYS, CA 91406 CONTACT: WALTER CALLEJAS PHONE: (818) 840-0808 FAX: (818) 688-8066 CONSTRUCTION MANAGER SYNERGY DEVELOPMENT SERVICES, INC. 7543 WOODLEY AVENUE, SUITE 201 VAN NUYS, CA 91406 CONTACT: DOUGLASS BOUGH PHONE: (818) 840-0808 FAX: (818) 688-8066	TITLE	PRINT NAME	SIGNATURE	DATE	THOMAS GUIDE REGION: PAGE AND GRID#: 672-F3			
	ZONING MGR:				Start out going east on E Guasti Rd toward Centre Lake Dr. Take the 2nd left onto N Haven Ave. N Haven Ave is 0.1 miles past Centre Lake Dr Merge onto I-10 W. Merge onto I-605 S/San Gabriel River Fwy S via EXIT 31A. Merge onto CA-60 W/Pomona Fwy W via EXIT 19 toward Los Angeles. CA-60 W/Pomona Fwy W becomes I-10 W/Santa Monica Fwy W. Take the National Blvd exit, EXIT 5. Turn left onto National Blvd. Stay straight to go onto Palms Blvd. Turn left onto Overland Ave. Overland Ave is just past Keystone Ave Turn right onto Culver Blvd. Culver Blvd is 0.1 miles past Palm Court Way Turn left onto Coombs Ave. Take the 1st right onto Culver Blvd. 10876 CULVER BLVD is on the left.			
	DEVELOP MGR:							
	CONST MGR:							
	CONST COOR:							
	SR RF ENGINEER:							
	RF ENGINEER:							
	OPERATIONS:							
	SAC REP:							
	UTILITIES:							
REAL ESTATE MGR:								



Synergy
Development Services, Inc.
7543 Woodley Ave. Van Nuys, CA 91406
Office: (818) 840-0808 Fax: (818) 840-0708

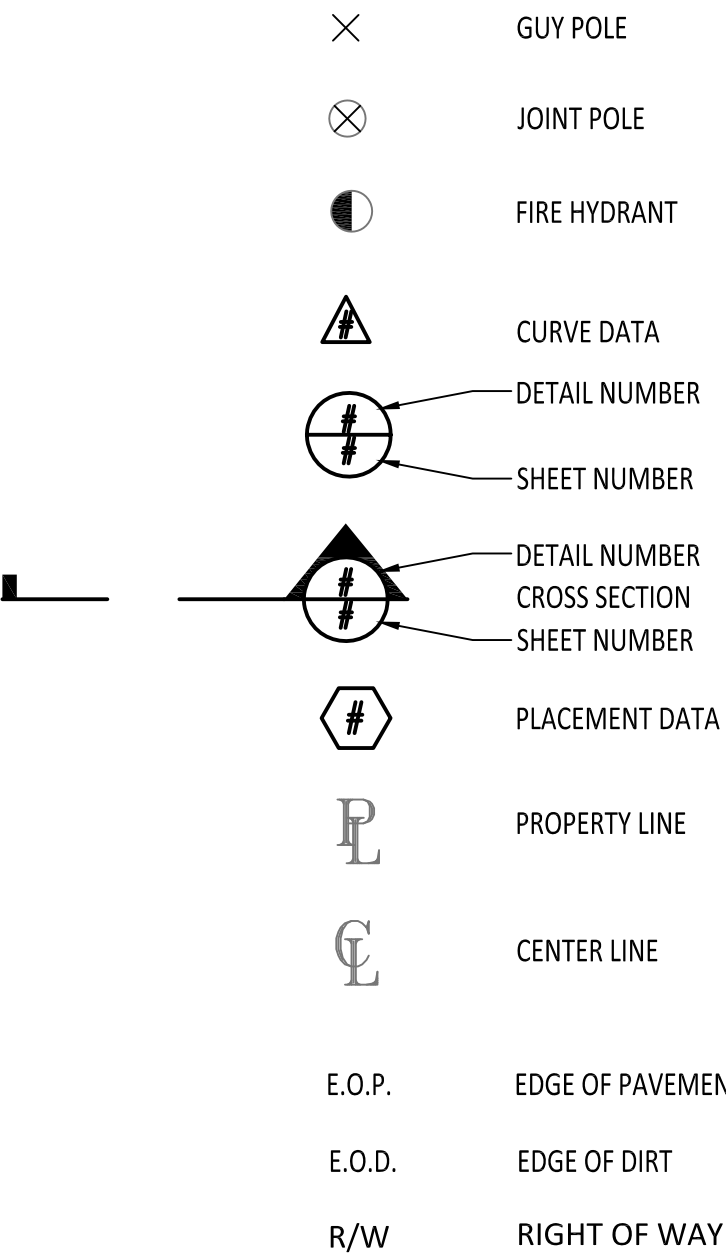
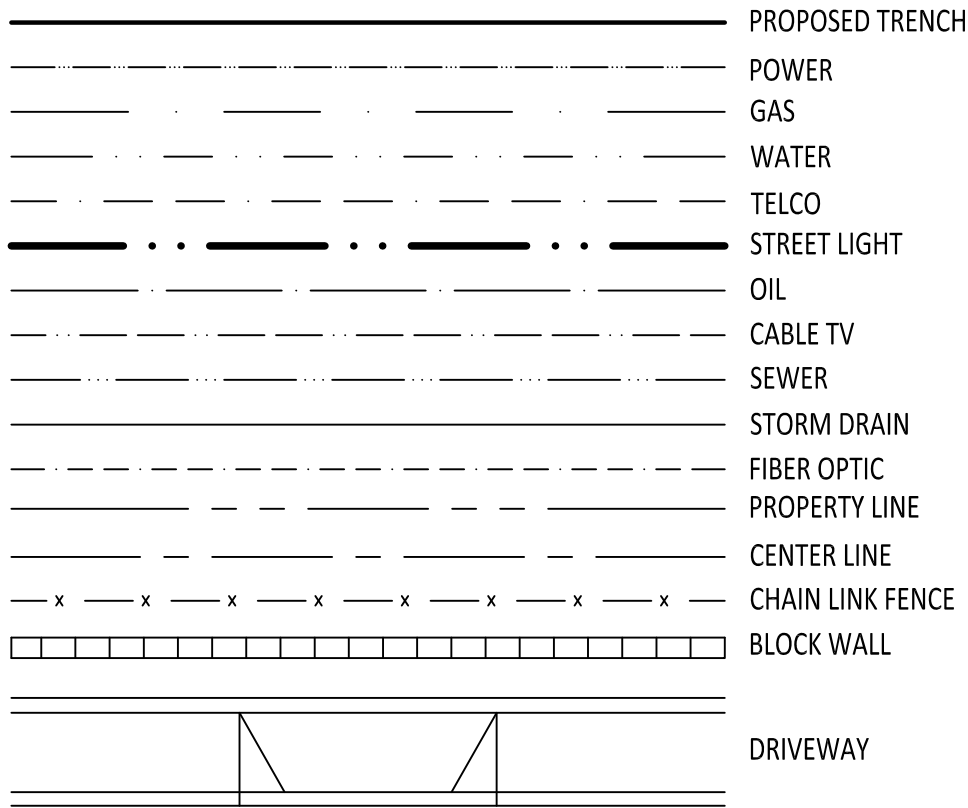
DATE :	09-25-17	
ENGINEER DATE :	09-25-17	
DRAFTED BY	M.P.	
NO. :	DATE :	BY :
1		
2		
3		
4		
5		
6		
7		

SITE INFORMATION :
LA33664E
CULVER ROW
ROW MACRO

W/O 10876 CULVER BLVD.
CULVER CITY, CA 90230

STAMP :	
SHEET TITLE :	TITLE SHEET
SHEET NUMBER :	T-1

LEGEND



INTENT

- THESE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE DONE & THE MATERIALS TO BE FURNISHED FOR CONSTRUCTION.
- THE INTENTION OF THE DOCUMENTS IS TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK AS STIPULATED IN THE CONTRACT.
- THE PURPOSE OF THE SPECIFICATIONS IS TO INTERPRET THE INTENT OF THE DRAWINGS AND TO DESIGNATE THE METHOD OF THE PROCEDURE TYPE AND QUALITY OF MATERIALS REQUIRED TO COMPLETE THE WORK.
- MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND SHALL BE CONSIDERED AS PART OF THE WORK. NO CHANGES THAT ALTER THE CHARACTER OF THE WORK WILL BE MADE OR PERMITTED BY THE OWNER WITHOUT ISSUING A CHANGE ORDER.

CONFLICTS

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED IN THE CONSTRUCTION DRAWINGS. ANY SUCH DISCREPANCY IN DIMENSIONS WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE OWNER FOR CONSTRUCTION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED AREAS.
- THE BIDDER, IF AWARDED THE CONTRACT, WILL NOT BE ALLOWED ANY EXTRA COMPENSATION BY REASON OF ANY MATTER OR THING CONCERNING WHICH SUCH BIDDER MIGHT HAVE FULLY INFORMED THEMSELVES PRIOR TO THE BIDDING.
- NO PLEA OF IGNORANCE OF CONDITIONS THAT EXIST, OR OF DIFFICULTIES OR CONDITIONS THAT MAY BE ENCOUNTERED OR OF ANY OTHER RELEVANT MATTER CONCERNING THE WORK TO BE PERFORMED IN THE EXECUTION OF THE WORK WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR OMISSION ON THE PART OF THE CONTRACTOR TO FULFILL EVERY DETAIL OF THE ALL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS GOVERNING THE WORK.

WARRANTIES AND BONDS

- CONTRACTOR IS RESPONSIBLE FOR APPLICATION AND PAYMENT OF CONTRACTOR LICENSES AND BONDS.
- SEE MASTER CONTRACTION SERVICES AGREEMENT FOR ADDITIONAL DETAILS.

STORAGE

- ALL MATERIALS MUST BE STORED IN A LEVEL AND DRY FASHION AND IN A MANNER THAT DOES NOT NECESSARILY OBSTRUCT THE FLOW OF OTHER WORK.

RELATED DOCUMENTS AND COORDINATION

- GENERAL CONSTRUCTION, ELECTRICAL AND ANTENNA DRAWINGS ARE INTERRELATED. IN PERFORMANCE OF THE WORK, THE CONTRACTOR MUST REFER TO ALL DRAWINGS. ALL COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

CHANGE ORDER PROCEDURE

- CHANGE ORDERS MAY BE INITIATED BY THE OWNER AND/OR THE CONTRACTOR INVOLVED. THE CONTRACTOR, UPON VERBAL REQUEST FROM THE OWNER SHALL PREPARE A WRITTEN PROPOSAL DESCRIBING THE CHANGE IN WORK OR MATERIALS AND ANY CHANGES IN THE CONTRACT AMOUNT AND PRESENT TO THE OWNER WITHIN 72 HOURS FOR APPROVAL. SUBMIT REQUESTS FOR SUBSTITUTIONS IN THE FORM AND IN ACCORDANCE WITH PROCEDURES REQUIRED FOR CHANGE ORDER PROPOSALS. ANY CHANGES IN THE SCOPE OF WORK OR MATERIALS WHICH ARE PERFORMED BY THE CONTRACTOR WITHOUT A WRITTEN CHANGE ORDER AS DESCRIBED & APPROVED BY THE OWNER SHALL PLACE FULL RESPONSIBILITY OF THESE ACTIONS ON THE CONTRACTOR.
- BTS CABINETS MUST BE STORED INSIDE UNTIL THERE IS POWER ON SITE.
- STORAGE METHOD MUST MEET ALL RECOMMENDATIONS OF THE ASSOCIATED MANUFACTURER.

SHOP DRAWINGS

- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AS REQUIRED AND LISTED IN THESE DRAWINGS TO THE OWNER FOR APPROVAL.
- ALL SHOP DRAWINGS SHALL BE REVIEWED, CHECKED AND CORRECTED BY CONTRACTOR PRIOR TO SUBMITTAL TO THE OWNER.

PRODUCTS & SUBSTITUTIONS

- SUBMIT 3 COPIES OF EACH REQUEST FOR SUBSTITUTION. IN EACH REQUEST IDENTIFY THE PRODUCT OR FABRICATION OR INSTALLATION METHOD TO BE REPLACED BY THE SUBSTITUTION. INCLUDE RELATED SPECIFICATION SECTION AND DRAWING NUMBERS AND COMPLETE DOCUMENTATION SHOWING COMPLIANCE WITH THE REQUIREMENTS FOR SUBSTITUTION.
- SUBMIT ALL NECESSARY PRODUCT DATA AND CUT SHEETS WHICH PROPERLY INDICATE AND DESCRIBE THE ITEMS, PRODUCTS AND MATERIALS BEING INSTALLED. THE CONTRACTOR SHALL, IF DEEMED NECESSARY BY THE OWNER SUBMIT ACTUAL SAMPLES TO THE OWNER FOR APPROVAL IN LIEU OF CUT SHEETS.

CODE COMPLIANCE

- ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. THESE SHALL INCLUDE BUT NOT BE LIMITED TO THE LATEST VERSION OF THE FOLLOWING:
 - 2013 CALIFORNIA BUILDING CODE.
 - 2013 CALIFORNIA ELECTRICAL CODE.
 - 2013 CALIFORNIA PLUMBING CODE.
 - 2013 CALIFORNIA MECHANICAL CODE.
 - 2013 CALIFORNIA CODE OF REGULATIONS FOR ENERGY CONSERVATION.

INSURANCE AND BONDS

- CONTRACTOR SHALL AT THEIR OWN EXPENSE CARRY AND MAINTAIN FOR THE DURATION OF THE PROJECT ALL INSURANCE REQUIRED AND LISTED.
- CONTRACTOR SHALL NOT COMMENCE WITH THEIR WORK UNTIL THEY HAVE PRESENTED AN ORIGINAL CERTIFICATE OF INSURANCE STATING ALL COVERAGE TO THE OWNER.

- THE OWNER SHALL BE NAMED AS AN ADDITIONAL INSURED ON ALL POLICIES.
- REFER TO THE MASTER AGREEMENT FOR REQUIRED INSURANCE LIMITS.

ADMINISTRATION

- BEFORE THE COMMENCEMENT F ANY WORK, THE CONTRACTOR WILL ASSIGN A PROJECT MANAGER WHO WILL ACT AS A SINGLE POINT OF CONTACT FOR ALL PERSONNEL INVOLVED IN THIS PROJECT. THIS PROJECT MANAGER WILL BE DEVELOPING A MASTER SCHEDULE FOR THE PROJECT WHICH WILL BE SUBMITTED TO THE OWNER PRIOR TO THE COMMENCEMENT OF ANY WORK.
- SUBMIT A BAR TYPE PROGRESS CHART NOT MORE THAN THREE (3) DAYS AFTER THE DATE ESTABLISHED FOR COMMENCEMENT OF THE WORK ON THE SCHEDULE, INDICATING A TIME BAR FOR EACH MAJOR CATEGORY OF WORK TO BE PERFORMED AT THE SITE, PROPERLY SEQUENCED AND COORDINATED WITH OTHER ELEMENTS OF WORK AND SHOWING COMPLETION OF THE WORK SUFFICIENTLY IN ADVANCE OF THE DATE ESTABLISHED FOR SUBSTANTIAL COMPLETION OF THE SITE.
- PRIOR TO COMMENCING CONSTRUCTION, THE OWNER SHALL SCHEDULE AN ON-SITE MEETING WITH ALL MAJOR PARTIES. THIS WOULD INCLUDE(THOUGH NOT LIMITED TO) THE OWNER, PROJECT MANAGER, CONTRACTOR, LAND OWNER REPRES'ENTATIVE, LOCAL TELEPHONE COMPANY, TOWER ERECTION FOREMAN(IF SUBCONTRACTED).
- CONTRACTOR SHALL BE EQUIPPED WITH SOME MANS OF CONSTANT COMMUNICATIONS, SUCH AS A MOBILE PHONE OR A BEEPER. THIS EQUIPMENT WILL NOT BE SUPPLIED BY THE OWNER, NOR WILL WIRELESS SERVICE BE ARRANGED.
- DURING CONSTRUCTION, CONTRACTOR MUST ENSURE THAT EMPLOYEES AND SUBCONTRACTORS WEAR HARD HATS AT ALL TIMES. CONTRACTOR WILL COMPLY WITH ALL T-MOBILE SAFETY REQUIREMENTS IN THEIR AGREEMENT.
- PROVIDE WRITTEN DAILY UPDATES AND PHOTOGRAPHS OF ON SITE PROGRESS TOTHE PROJECT MANAGER VIA E-MAIL.
- A COMPLETE INVENTORY OF CNSTRUCITON MATERIALS AND EQUIPMENT IS REQUIRED PRIOR TO START OF CONSTRUCTION.
- NOTIFY THE OWNER/PROJECT MANAGER IN WRITING NO LESS THAN 48 HOURS IN ADVANCE OF CONCRETE POURS, TOWER ERECTIONS, AND EQUIPMENT CABINET PLACEMENTS.
- CLOSEOUT PACKAGE IS DUE COMPLETE WITH DETAILED TOP PHOTOS UPON SITE PUNCHWALK WITH PROJECT MANAGER (SEE PROJECT MANAGER FOR SAMPLE CLOSEOUT PACKAGE).

CLEAN UP

- THE CONTRACTOR SHALL AT ALL TIMES KEEP THE SITE FREE FROM ACCUMULATON OF WASTE MATERIALS OR RUBBISH CAUSED BY THEIR EMPLOYEES AT WORK. AT THE COMPLETION OF THE WORK, THEY SHALL REMOVE ALL RUBBISH FROM AND ABOUT THE BUILDING AREA, INCLUDING ALL THEIR TOOLS, SCAFFOLDING AND SURPLUS MATERIALS AND SHALL LEAVE THEIR WORK CLEAN AND READY FOR USE.
- VISUALLY INSPECT EXTERIOR SURFACES AND REMOVE ALL TRACES OF SOIL, WASTE MATERIALS, SMUDGES, AND OTHER FOREIGN MATTER.
- REMOVE ALL TRACES OF SPLASHED MATERIALS FROM ADJACENT SURFACES.
- IF NECESSARY TO ACHIEVE A UNIFORM DEGREE OF CLEANLINESS, HOSE DOWN THE EXTERIOR OF THE STRUCTURE.

GENERAL NOTES

- INDEMNIFICATION CLAUSE: THE CONTRACTOR AGREES AND SHALL;

ASSUME SOLE AND COMPLETE RESPONSIBILITY OF THE JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTIES. THAT THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONDITIONS. THE CONTRACTOR FURTHER AGREES TO DEFEND INDEMNITY AND HOLD T-MOBILE, REPRESENTATIVES AND ENGINEERS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT.

- PRIOR TO THE BEGINNING OF ANY CONSTRUCTION AND THROUGHOUT THE COURSE OF CONSTRUCTION WORK, THE CONTRACTOR SHALL FULLY COMPLY WITH "CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH " ACT OF 1973 INCLUDING ALL REVISIONS AND AMENDMENTS THERETO.
- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF GO 95, 128, AND THE STANDARD "SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", AS ADOPTED BY THE CITY, COUNTY OR STATE AS MODIFIED BY STANDARD PLANS AND ADDENDUMS.
- THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER AGENCIES FACILITIES AS SHOWN HEREON ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. OTHER FACILITIES MAY EXIST, THE CONTRACTOR SHALL VERIFY PRIOR TO THE START OF CONSTRUCTION AND SHALL USE EXTREME CARE AND PROTECTIVE MEASURES TO PREVENT DAMAGE TO THESE FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY OR AGENCY FACILITIES WITHIN THE LIMITS OR WORK, WHETHER THEY ARE SHOWN ON THIS PLAN OR NOT.
- THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT 811 AT LEAST TWO WORKING DAYS PRIOR TO THE START OF ANY EXCAVATION.
- THE CONTRACTOR SHALL NOTIFY THE CITY, COUNTY OR STATE ENGINEER INSPECTION DEPARTMENT, AT LEAST TWO DAYS BEFORE THE START OF ANY WORK REQUIRING THEIR INVOLVEMENT.
- ALL WORK AREA AND STREET TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE WORK AREA TRAFFIC CONTROL BOOK AND SPECIFICATIONS FROM THE CITY, COUNTY OR STATE.
- THE CITY, COUNTY OR STATE SHALL SPECIFY THE EXPIRATION PERIOD OF THE PERMIT FOR THIS CONSTRUCTION PROJECT.
- THE MINIMUM COVER FOR ALL CONDUITS PLACED UNDERGROUND SHALL BE 36 INCHES TO THE FINISHED GRADE AT ALL TIMES.
- THE CONTRACTOR SHALL TUNNEL ALL CURB AND GUTTERS AND BORE ALL CONCRETE DRIVEWAYS AND WALKWAYS AT THE DIRECTION OF THE CITY, COUNTY OR STATE INSPECTOR.
- ALL AC. AND/OR CONCRETE PAVEMENT SHALL BE REPLACED AT THE DIRECTION OF THE CITY, COUNTY OR STATE ENGINEERS.

- ALL SHRUBS, PLANTS OR TREES THAT HAVE BEEN DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK, SHALL BE REPLANTED AND/OR REPLACED SO AS TO RESTORE THE WORK SITE TO ITS ORIGINAL CONDITION.
- IF DAMAGE OCCURS TO THE CITY OR COUNTY FACILITIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY, TRAFFIC CONTROL LIGHTING; STREET LIGHTING.
- AT LEAST TWO DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK, NOTIFY THE POLICE TRAFFIC BUREAU; AND THE FIRE DEPARTMENT.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROCESSING OF ALL APPLICATION PERMIT FORMS ALONG WITH THE REQUIRED LIABILITY INSURANCE FORMS, CLEARLY DEMONSTRATING THAT T-MOBILE, THE CITY, COUNTY OR STATE AS ALSO INSURED WITH THE REQUIRED LIABILITY INSURANCE IN THE AMOUNT OF \$1,000,000.00 FOR THIS CONSTRUCTION PROJECT.
- VAULTS, PEDESTALS, CONDUITS AND OTHER TYPES OF SUBSTRUCTURE ARE EITHER SPECIFIED ON THIS PLAN OR WILL BE SPECIFIED BY THE CONSTRUCTION ENGINEER. ANY AND ALL DEVIATIONS FROM THE SPECIFIED TYPES OF MATERIAL MUST BE APPROVED BY THE SYSTEM ENGINEER, IN WRITING BEFORE INSTALLATION THEREOF.
- ALL U.G. CONDUIT MUST BE SCHEDULE 40 OR BETTER.
- CONDUIT REQUIREMENTS:
 - UG-SCHEDULE 40 EXCEPT ALL RADIUS CONDUITS TO BE SCH. 80 RISERS-SCHEDULE 80
- GROUND REQUIREMENTS:
 - 5/8" ROD-10' LENGTH
 - #2 GROUND WIRE
 - WOOD MOLDING, STAPLED EVERY 3' AND AT EACH END GROUNDS 2' FROM POLE
- THE MYERS ELECTRICAL METER PEDESTAL NEEDS SILICONE SEALANT AT BASE AROUND THE PED TO PREVENT RAIN INTRUSION (LEAVE 1/2 INCH OPENING) AND ADD DESICCANT BAG "ADCOA" TYPE 1, SIZE 16 TO PEDESTAL AS REQUIRED.
- POWER REQUIREMENT FOR 3 WIRE SERVICE 120/240V.
- CONTRACTOR SHALL NOTIFY POWER AND TELCO COMPANIES THREE DAYS PRIOR TO THE START OF CONSTRUCTION FOR CONDUIT INSPECTION.
- UPON DECOMMISSIONING OF SITE ALL EQUIPMENT INCLUDING POLE WILL BE REMOVED. LANDSCAPING TO BE RETURNED TO ITS ORIGINAL CONDITION.



Development Services, Inc.
7543 Woodley Ave. Van Nuys, CA 91406
Office: (818) 840-0808 Fax: (818) 840-0708

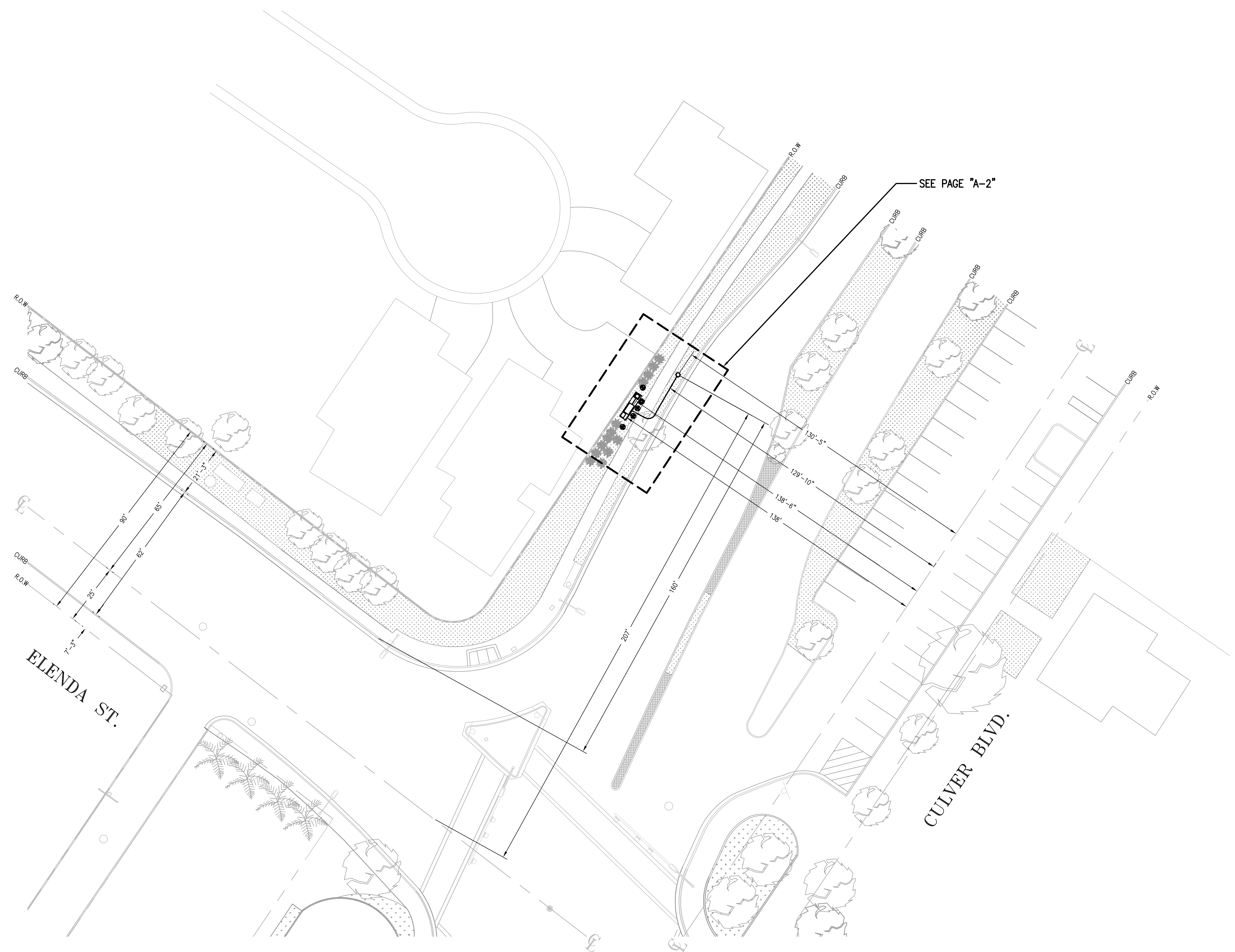
DATE : 09-25-17
ENGINEER DATE : 09-25-17
DRAFTED BY M.P.
NO. : 1 DATE : BY :
2
3
4
5
6
7

SITE INFORMATION :
LA33664E
CULVER ROW
ROW MACRO

W/O 10876 CULVER BLVD.
CULVER CITY, CA 90230
STAMP :

SHEET TITLE :
ABBREVIATIONS
AND NOTES

SHEET NUMBER :
T-2

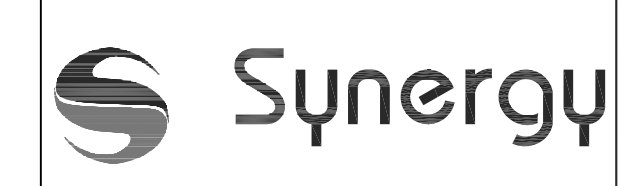


SITE PLAN

SCALE 1" = 20'

0 10' 20' 50'

T-Mobile
Get more from life®



Development Services, Inc.
7543 Woodley Ave. Van Nuys, CA 91406
Office: (818) 840-0808 Fax: (818) 840-0708

DATE: 09-25-17

ENGINEER DATE: 09-25-17

DRAFTED BY M.P.

NO.: 1 DATE: BY:

1
2
3
4
5
6
7

SITE INFORMATION :
LA33664E
CULVER ROW
ROW MACRO

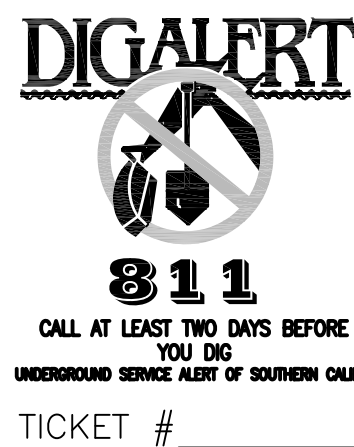
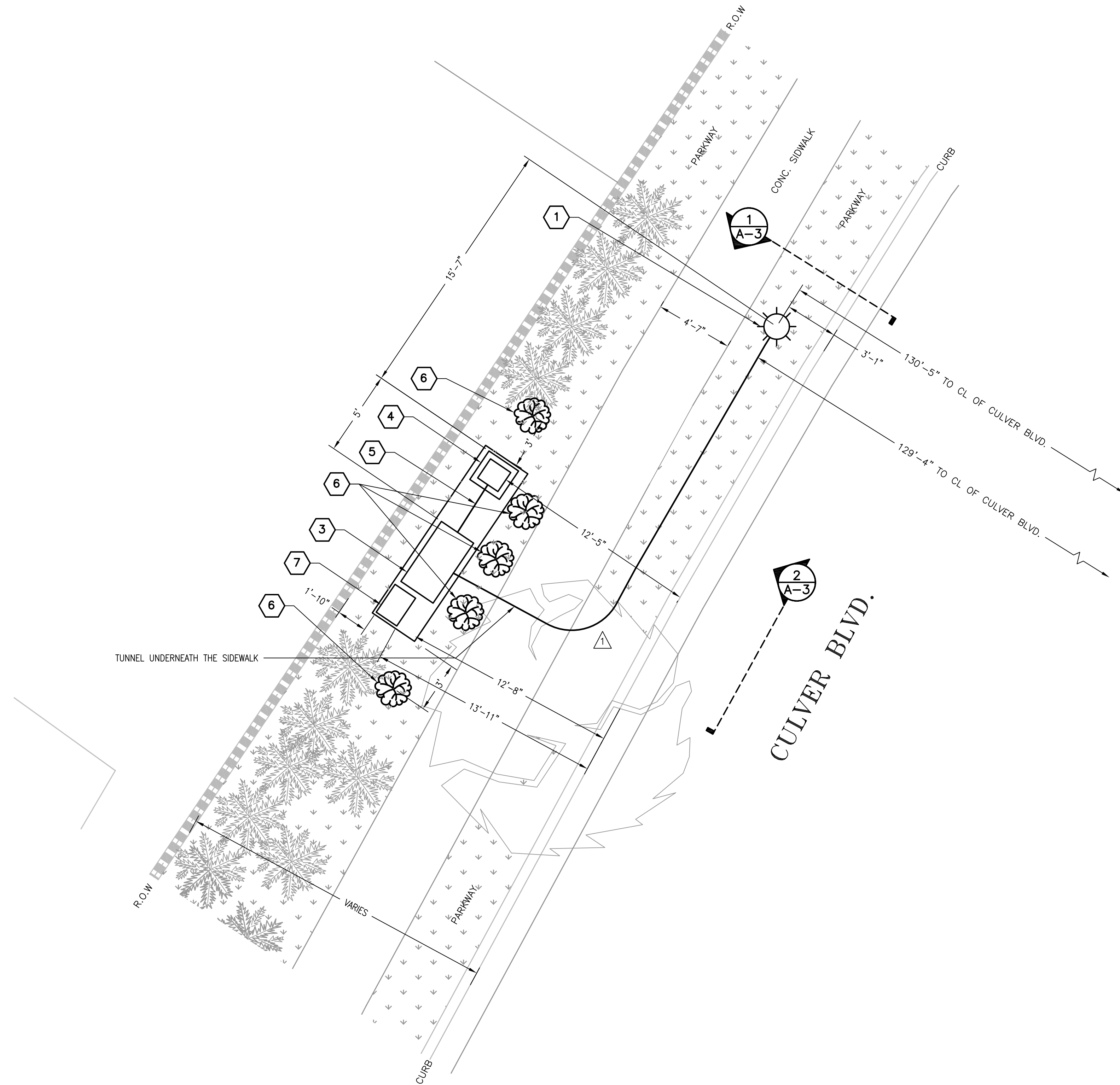
W/O 10876 CULVER BLVD.
CULVER CITY, CA 90230

STAMP:

SHEET TITLE :
SITE PLAN
AND DETAILS

SHEET NUMBER :
A-1

- 1 PROPOSED 30' SLIMLINE POLE WITH 6' X 3' RADOME
- 2 PLACE 30' OF 2-4" SCH 40 PVC CONDUIT FOR COAX
- 3 PLACE 6102 CABINET
- 4 PLACE MEUG16 POWER PEDESTAL
- 5 PLACE 3' OF 2" SCH 40 PVC CONDUIT FOR POWER
- 6 PL (5) HETEROMOLES ARBUTOLIA (TOYON)
- 7 PL. (1) EMERSON WITH SKIRT



CONDUIT CURVE DATA			
	R	<	L
1	3'	90°	4'-9"



0 2' 6' 10'

SCALE $\frac{1}{4}" = 1'$

Development Services, Inc.
7543 Woodley Ave. Van Nuys, CA 91406
Office: (818) 840-0808 Fax: (818) 840-0708

DATE: 09-25-17

ENGINEER DATE: 09-25-17

DRAFTED BY M.P.

NO.: _____	DATE: _____	BY: _____
1		

2
3
4
5
6
7

SITE INFORMATION : _____
LA33664E
CULVER ROW
ROW MACRO

W/O 10876 CULVER BLVD.
CULVER CITY, CA 90230

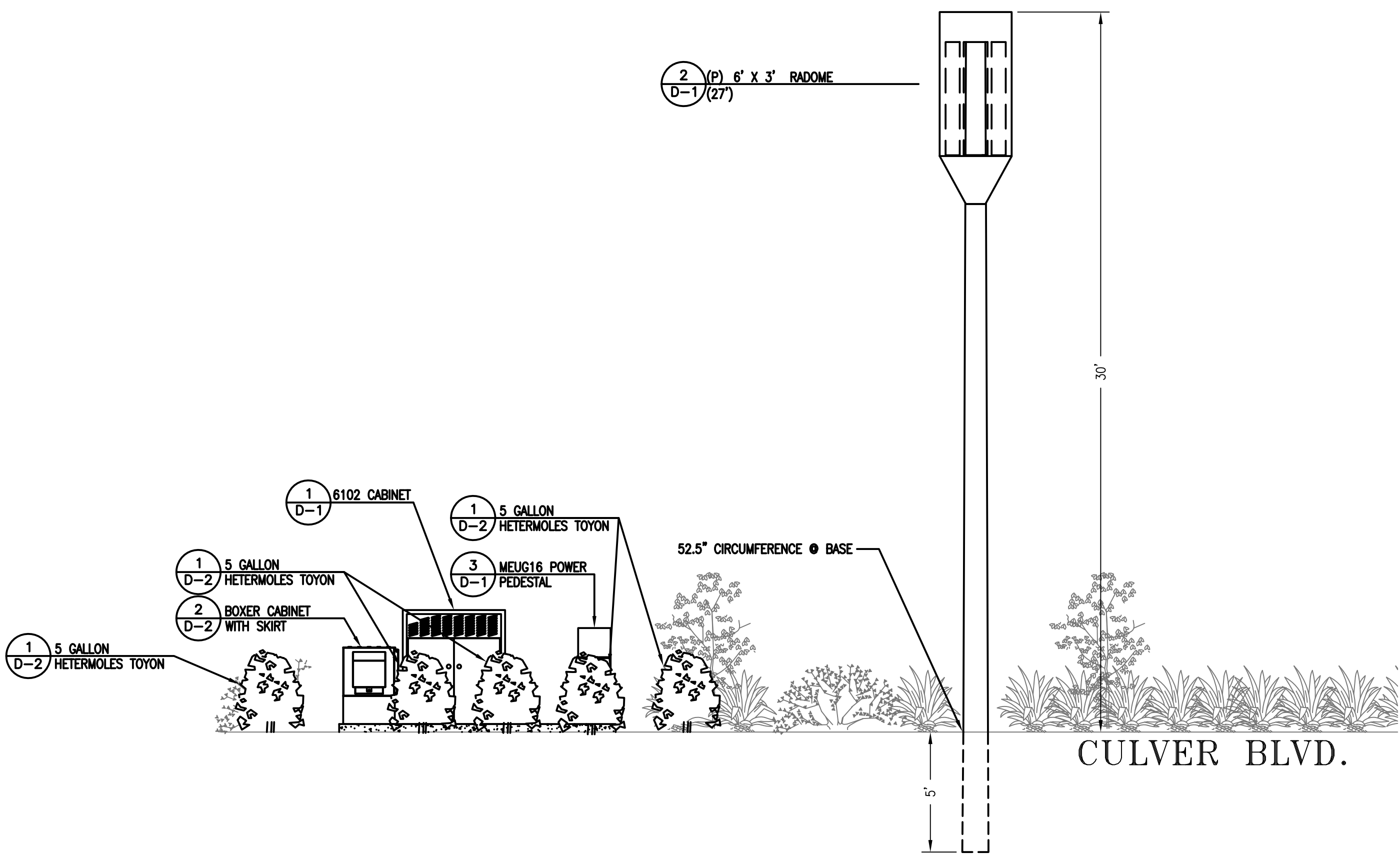
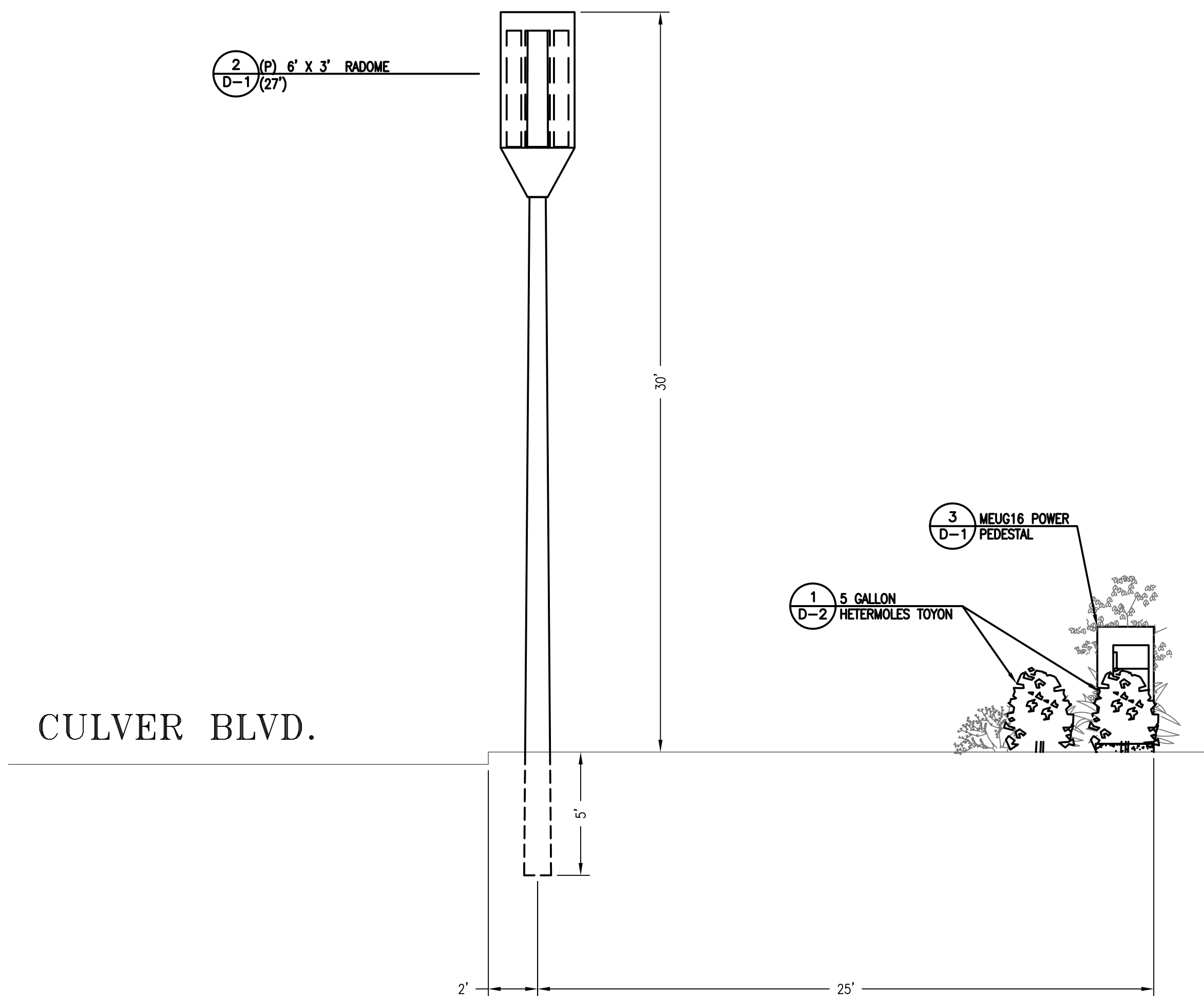
STAMP: _____

SHEET TITLE : **SITE PLAN
AND DETAILS**

SHEET NUMBER :

A-2

- NOTES:
- COLOR OF POLE TO MATCH NEAR BUY SKIRT LIGHTS
 - RADOME WILL BE PAINTED TO MATCH POLE COLOR
 - CABLES WILL BE FULLY CONCEALED
 - A SIGN WILL BE PLACED ON CABINET WITH PHONE NUMBER FOR EMERGENCY CONTACT.



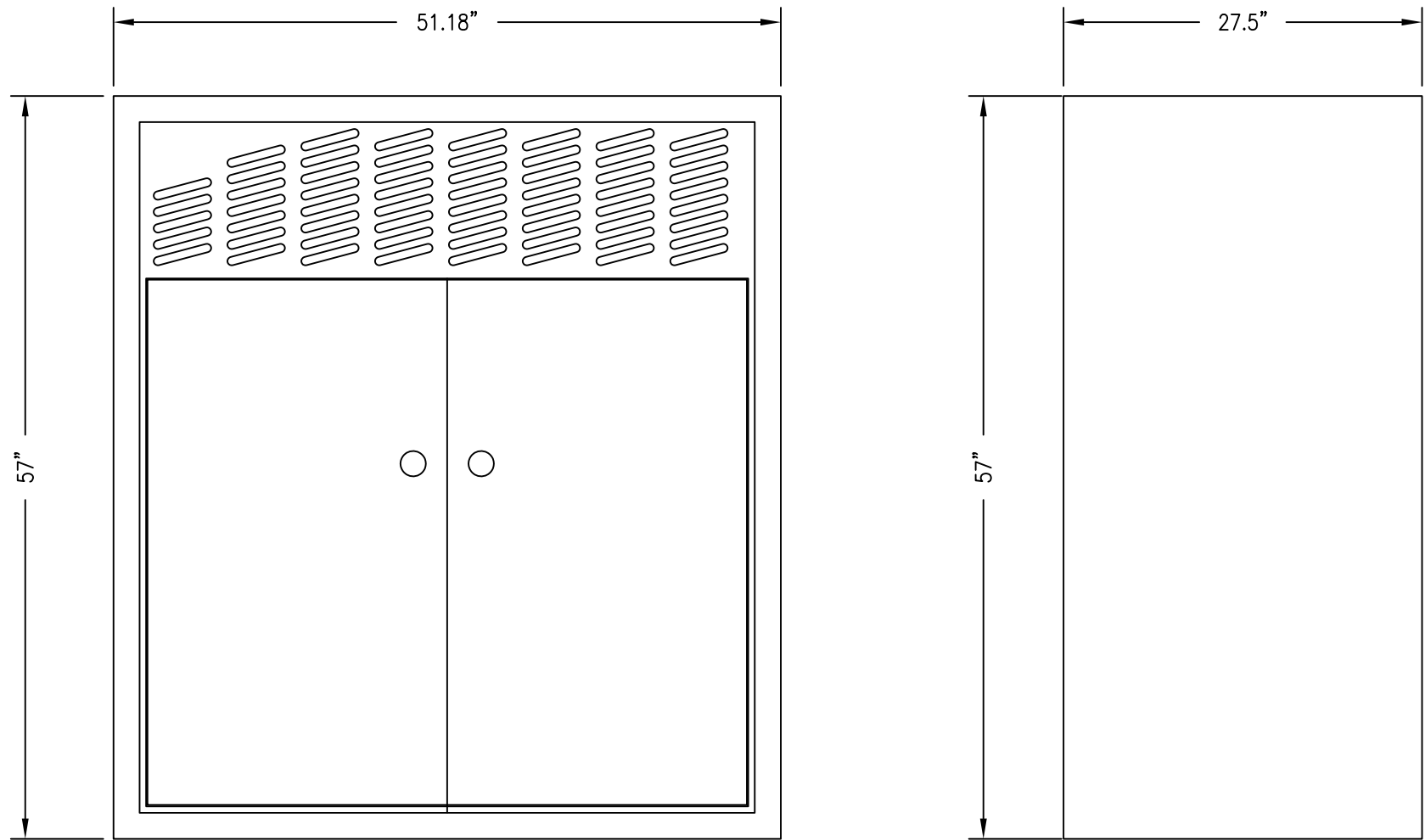
1 | PROPOSED ELEVATION LOOKING SOUTHWEST

SCALE: 1/4"=1'

2 | PROPOSED ELEVATION LOOKING NORTHWEST

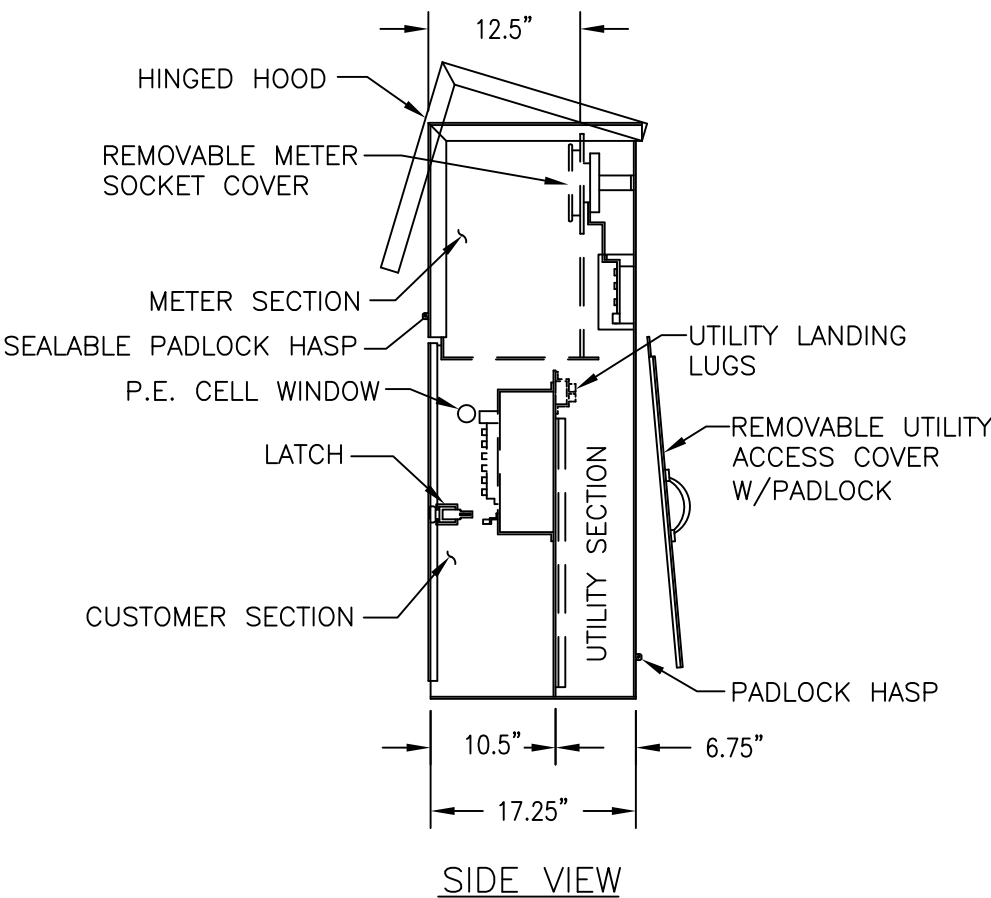
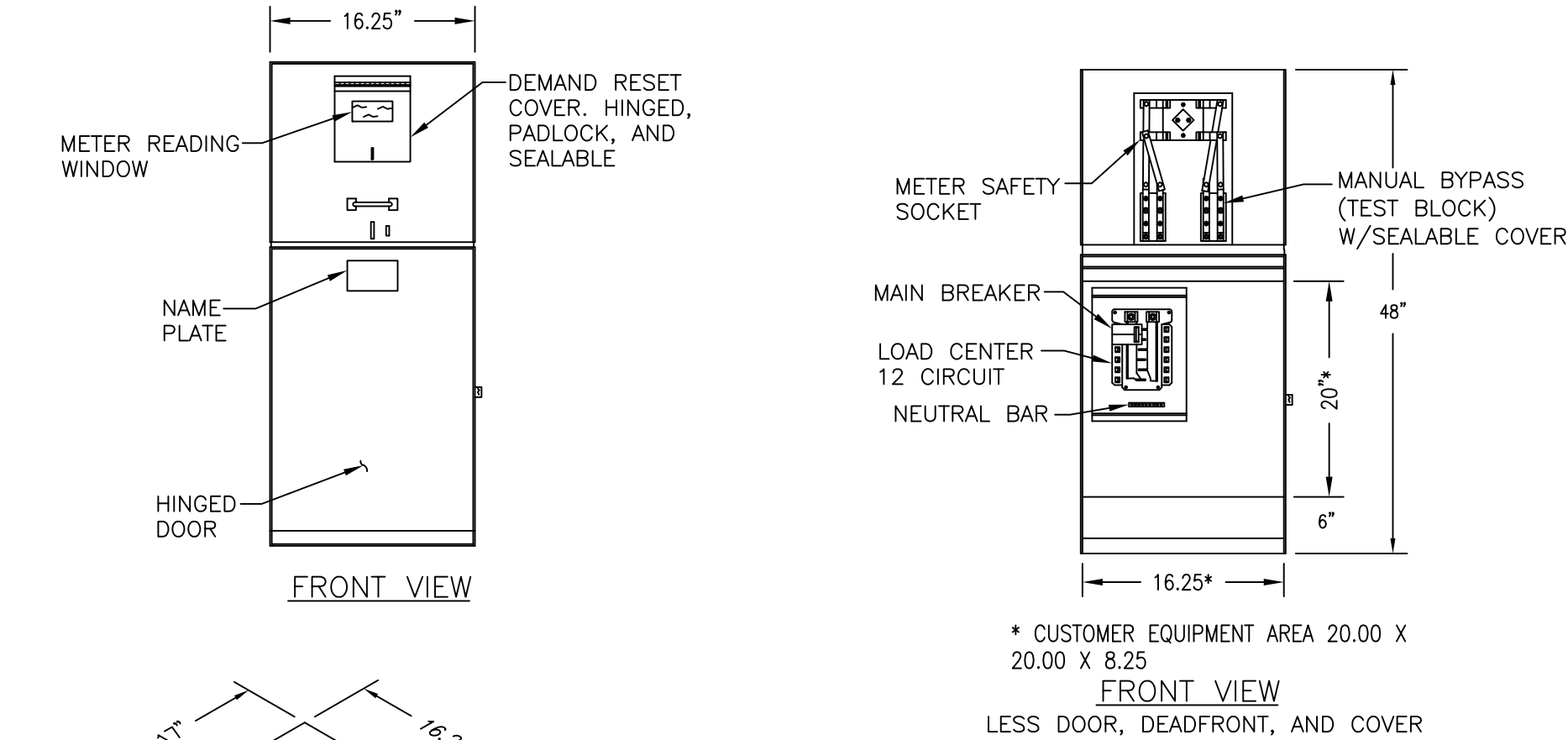
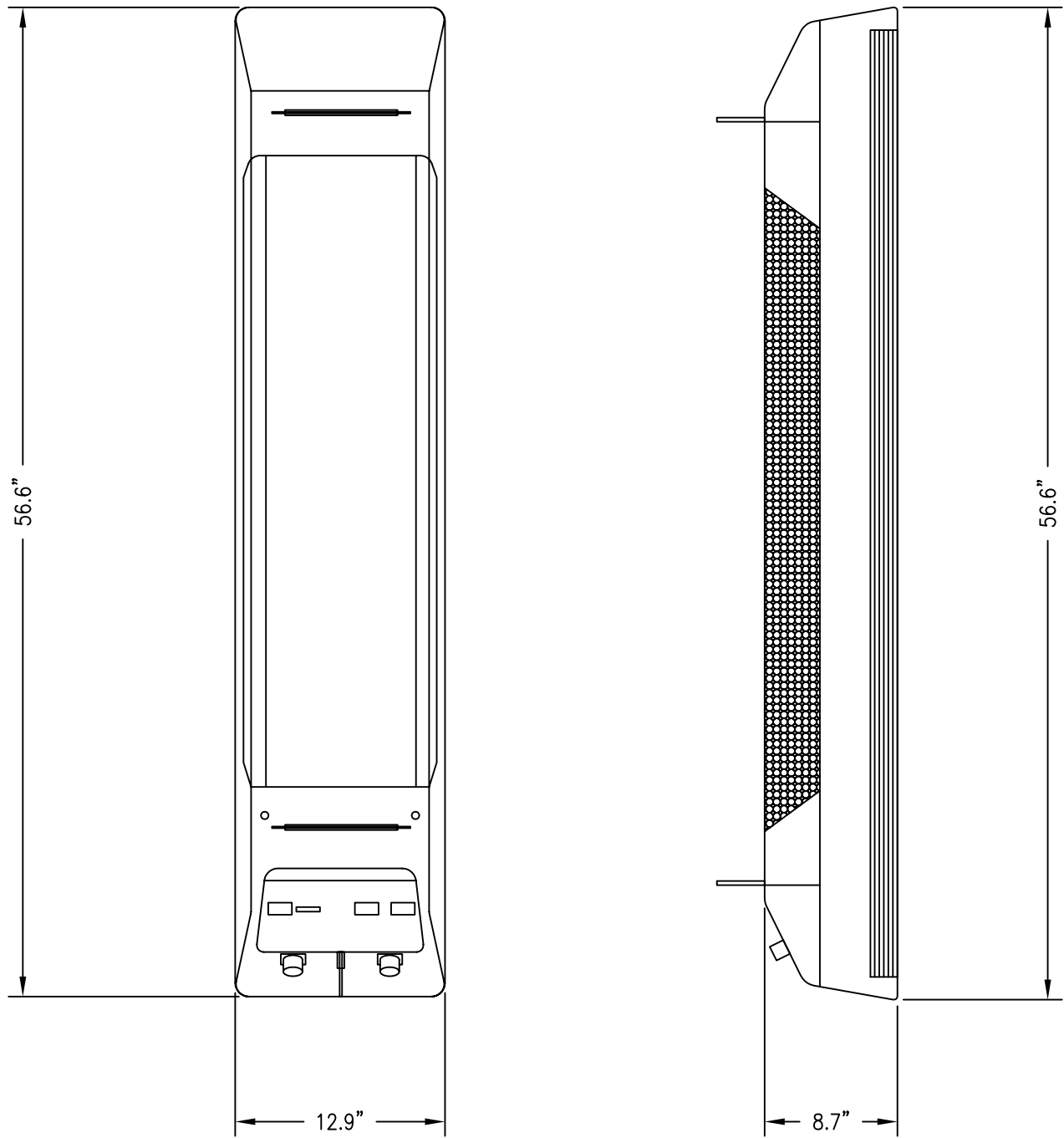
SCALE: 1/4"=1'

1
2
3
4
5
6
7



FRONT

SIDE



200AMP MYERS METER PEDESTAL
MEUG16-M200

1 6102 CABINET DETAIL

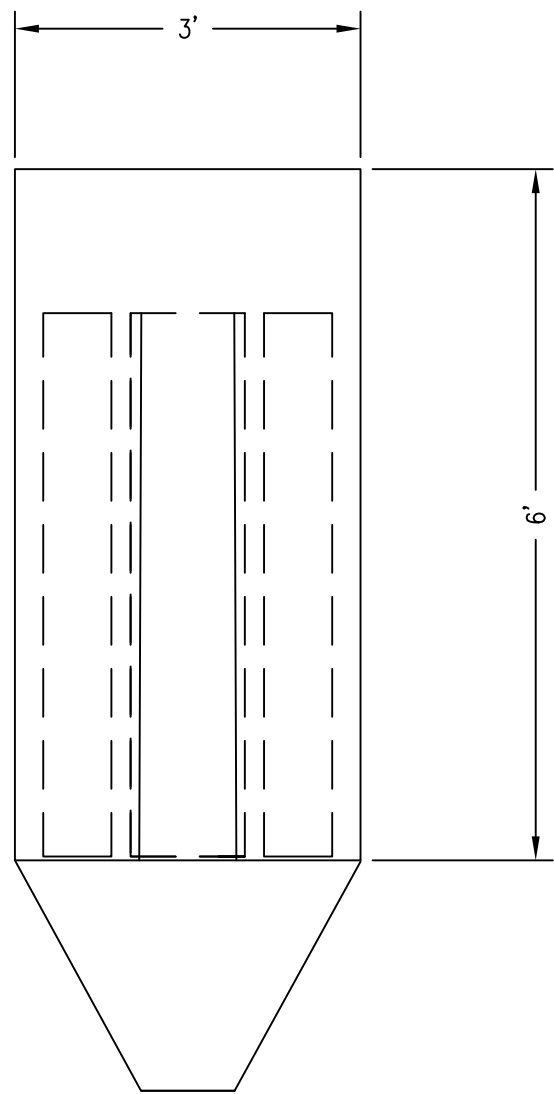
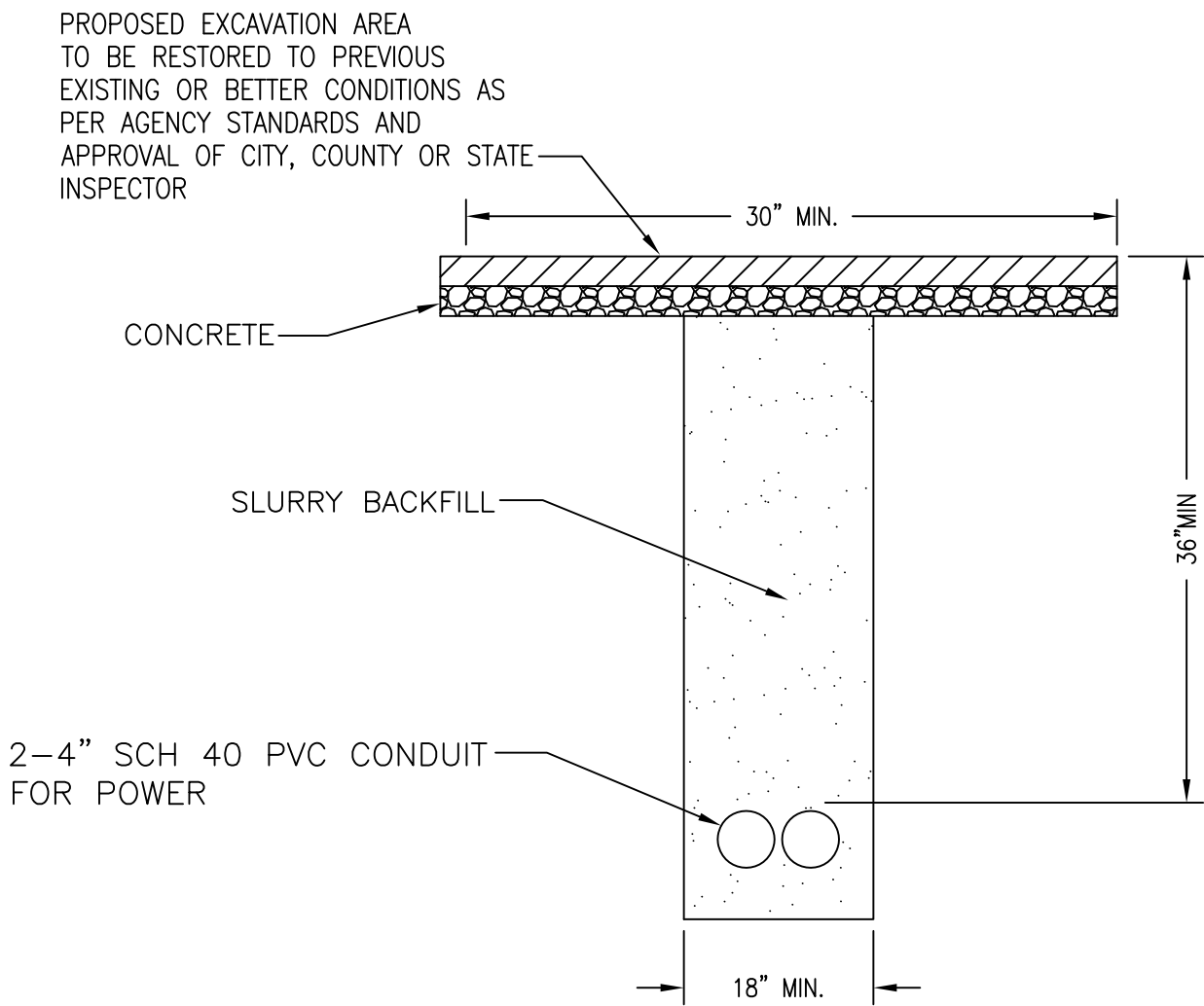
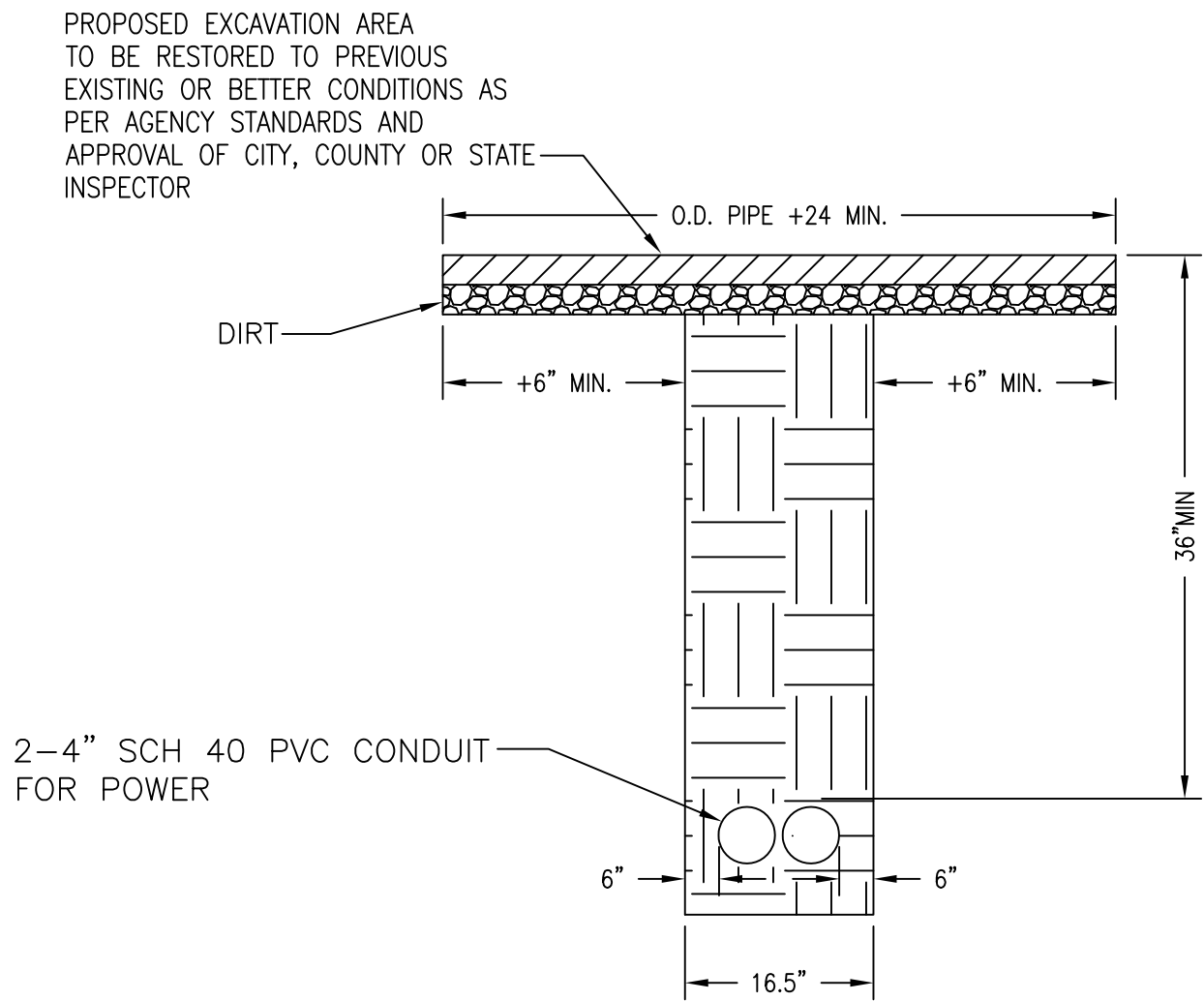
SCALE: N.T.S.

2 GENERAL ANTENNA INFO

SCALE: N.T.S.

3 MEUG16 POWER PEDESTAL

SCALE: N.T.S.



4 TRENCH DETAIL

SCALE: N.T.S.

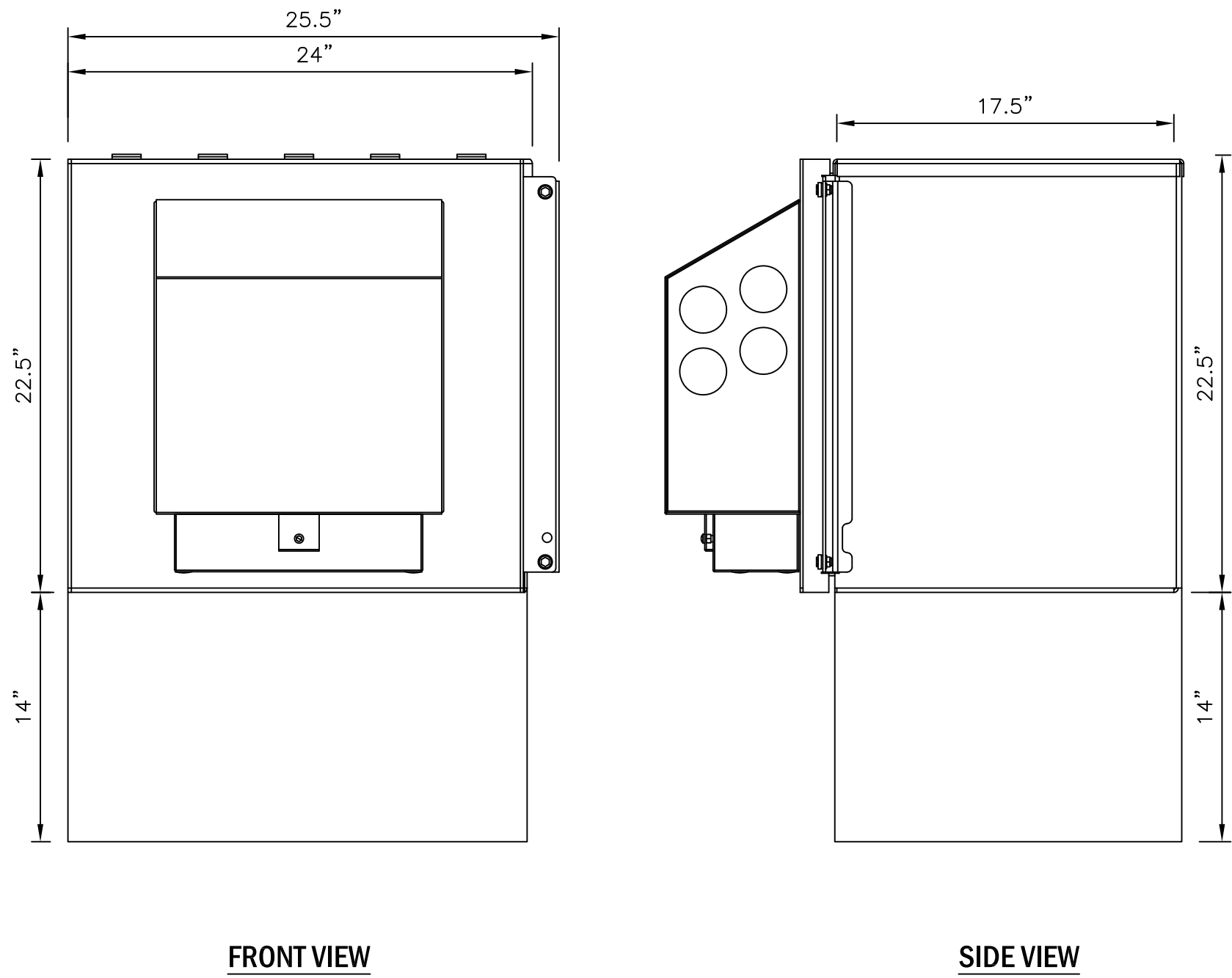
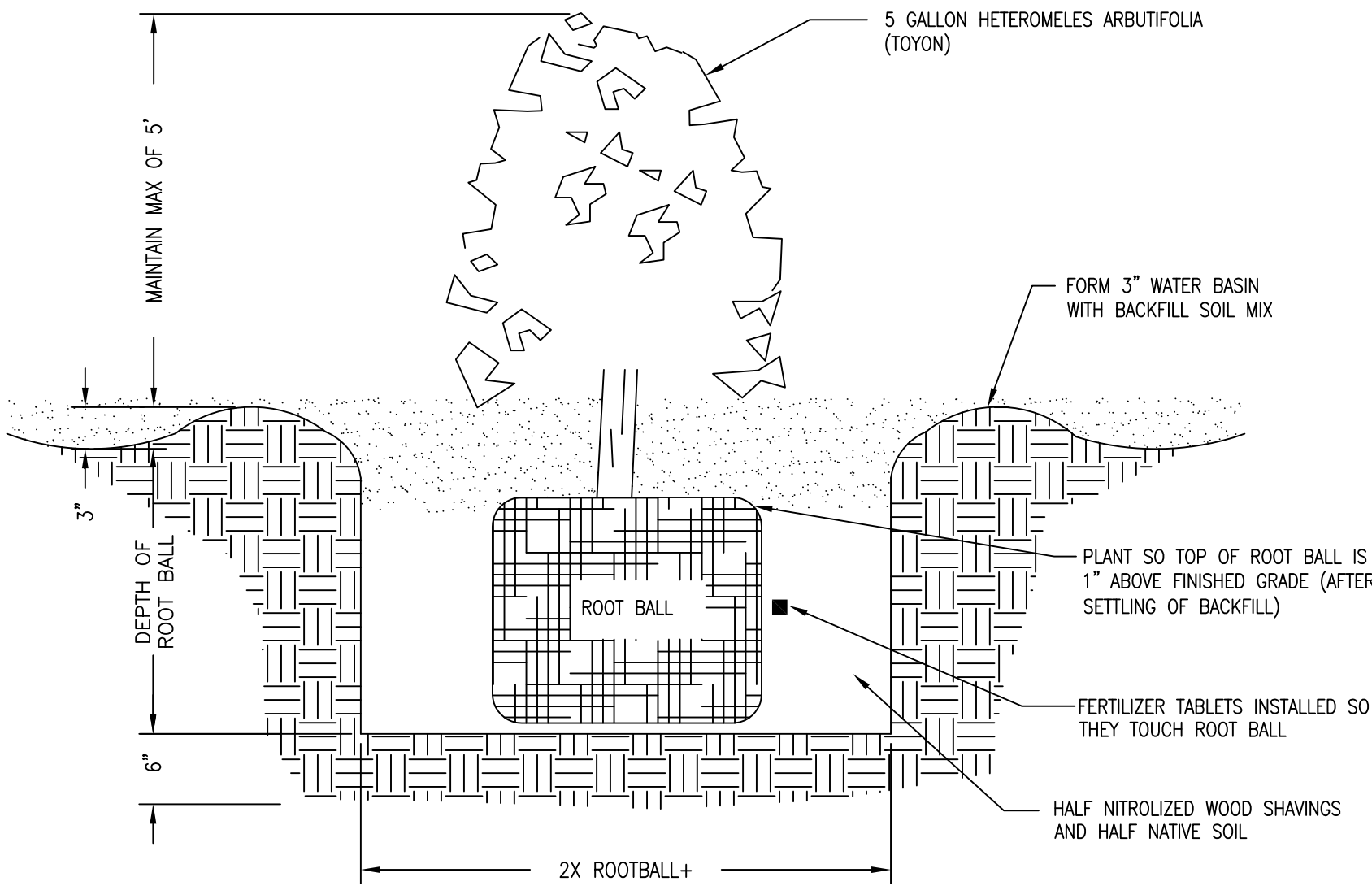
5 TRENCH DETAIL

SCALE: N.T.S.

6 RADOME

MAINTENANCE NOTES

- 1) TRIM BACK PLANT MATERIAL AS NEEDED FOR CLEARANCE OF PAD AND PEDESTRIAN ACCESS.
- 2) ALL REQUIRED LANDSCAPE AREAS SHALL BE HAND WATERED AND MAINTAINED BY T-MOBILE.
- 3) THE LANDSCAPE AREAS SHALL BE MAINTAINED IN FREE OF DEBRIS AND LITTER.
- 4) PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY GROWING CONDITION.
- 5) DISEASED OR DEAD PLANT MATERIAL SHALL BE SATISFACTORILY TREATED OR REPLACED
- 6) WATER SCHEDULE: WATER FOR 6 MONTHS OR UNTIL ESTABLISHED.



1 HETEROMELES ARBUTIFOLIA (TOYON)

SCALE: N.T.S.

2 BOXER CABINET DETAIL

SCALE: N.T.S.

3

SCALE: N.T.S.

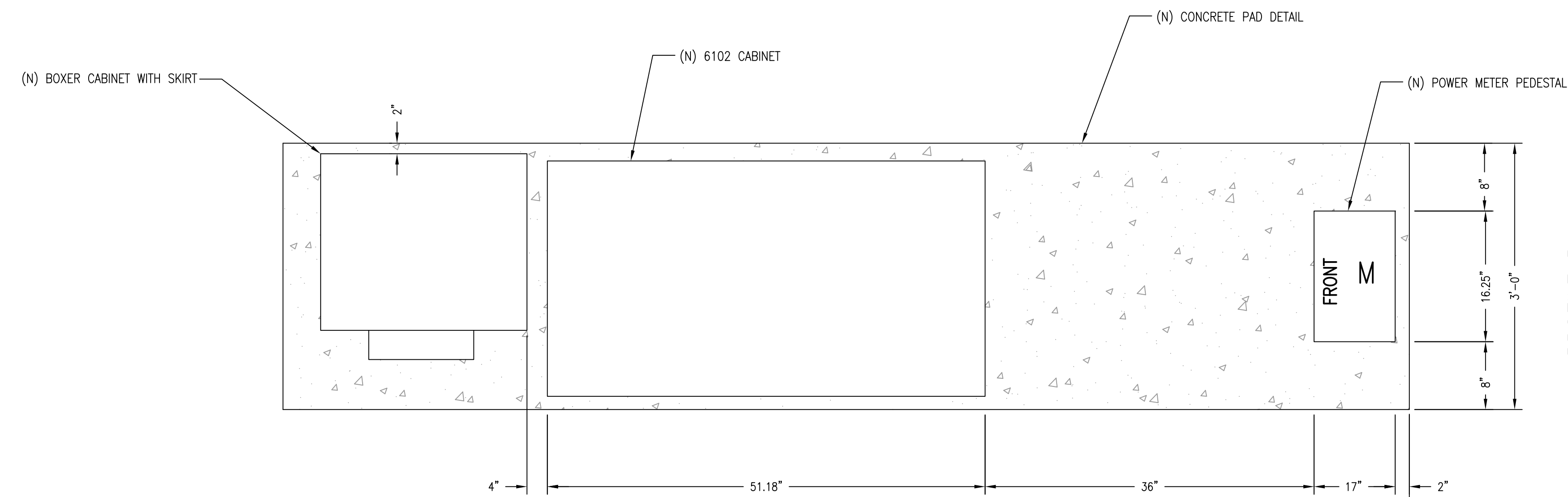
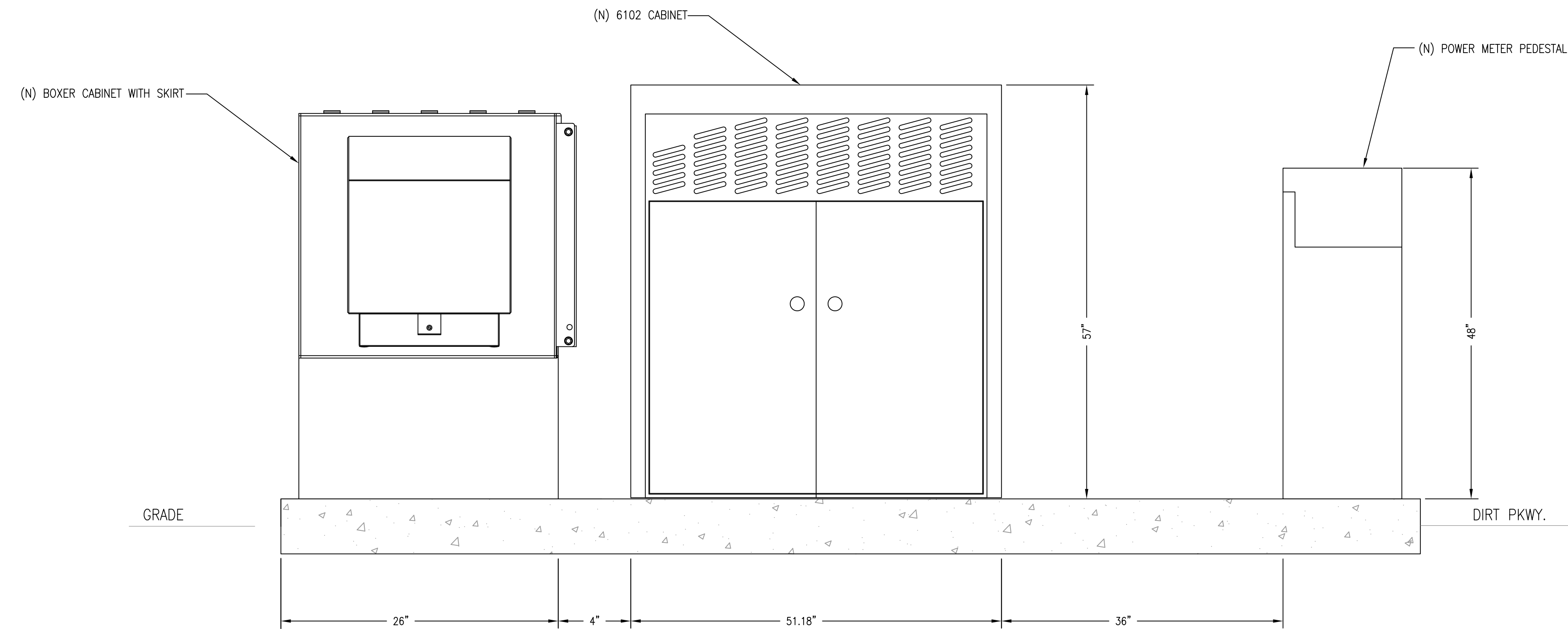
4

SCALE: N.T.S.

5

SCALE: N.T.S.

6



TOP VIEW

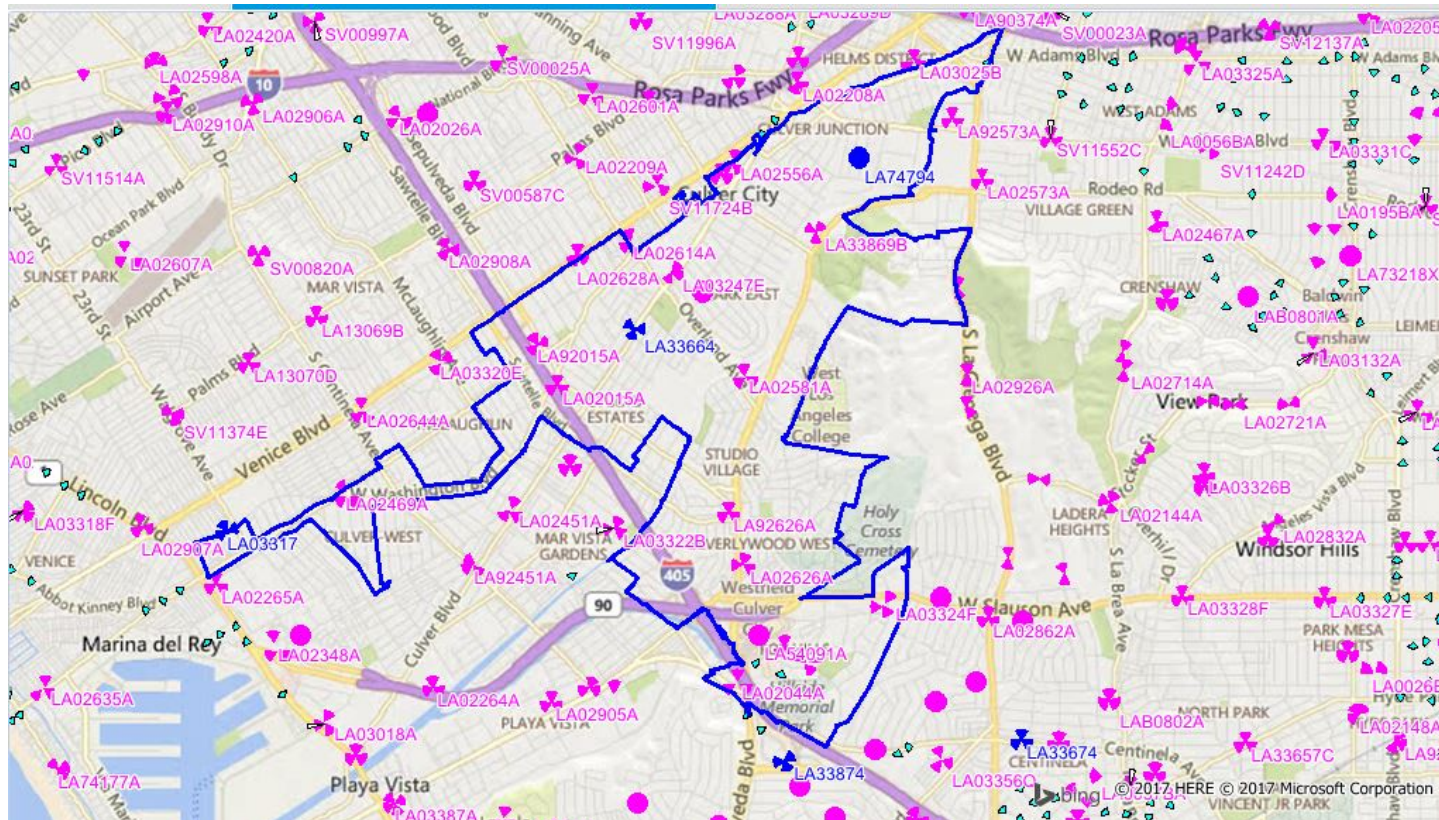
PROFILE A

PROFILE B

1
2
3
4
5
6
7

Master Plan

Exhibit H1b





January 17, 2018

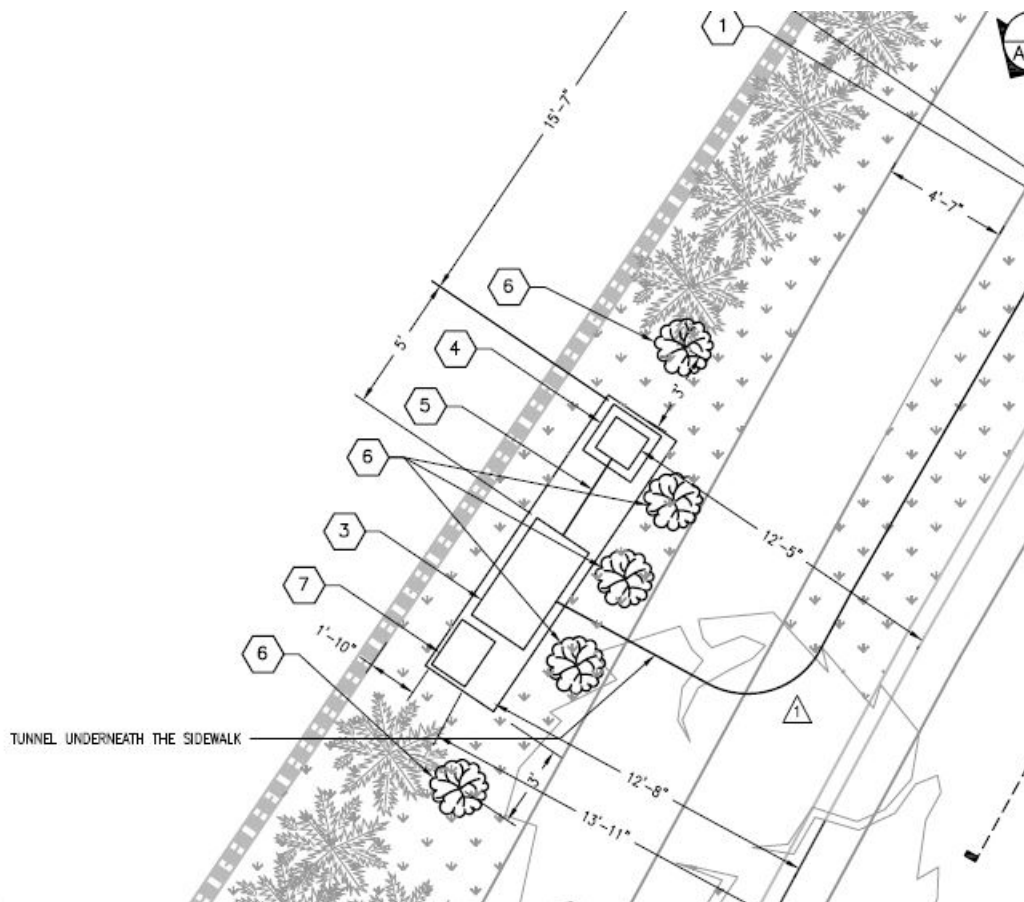
City of Culver City – City Hall
9770 Culver Blvd.
Culver City, CA. 90232

Re: Engineering Plans for the Facility and Equipment (Landscape Plans)
T-Mobile LA33664E – W/O 10875 Culver Blvd

To Whom It May Concern:

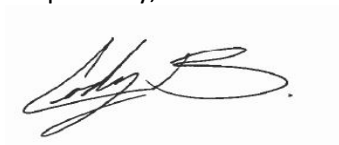
Please see below landscape plan:

 PL (5) HETERMOLES ARBUTOLIA (TOYON)



If you should have any additional questions or concerns, please don't hesitate to contact me directly.

Respectfully,

A handwritten signature in black ink, appearing to read 'Cody Blandino', is displayed on a light gray rectangular background.

Cody Blandino | *Permit Coordinator*

Synergy Engineering Services, Inc.

7543 Woodley Avenue, Suite 201 | Van Nuys, CA 91406

c: 626.324.4913 | f: 818.840.0708 | e: cblandino@synergy.cc



Location Map



Proposed

Notes: Looking north at proposed project



Existing

Applicant

T-Mobile USA
3 Imperial Promenade
Santa Ana, CA 92707
(714) 850-2400

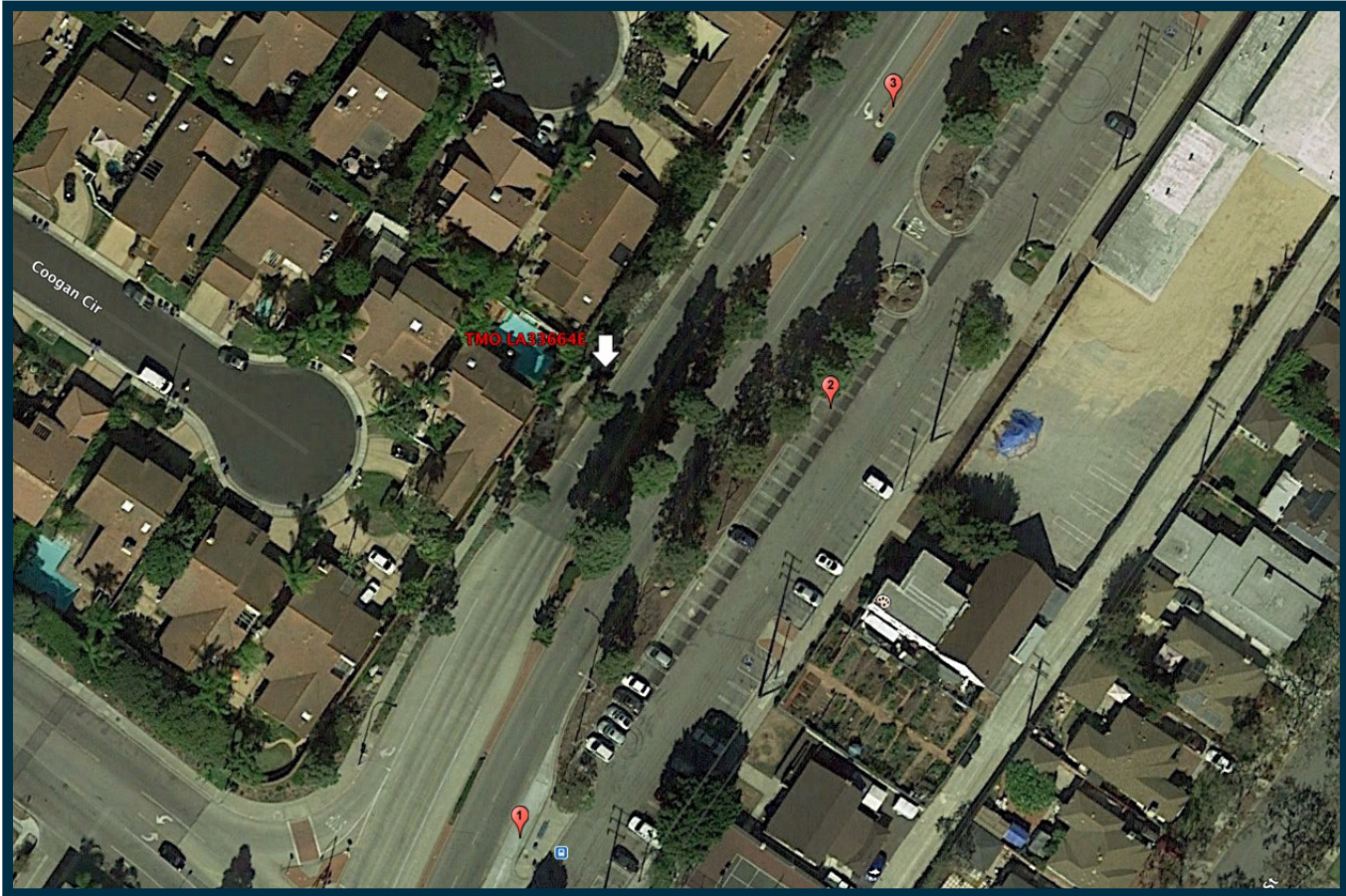
Contact

Synergy Development Svc
7543 Woodley Ave #201
Van Nuys, CA 91406
(818) 840-0808

Photographic Visualizations Provided By:

SoCal
SCDG LLC.
SoCal Design Group
10803 Aster Lane
Apple Valley, CA 92308
www.scdgllc.com
(951) 225-5421
edward@scdgllc.com

This photo simulation is being provided as a conceptual representation of the proposed wireless facility.
For exact dimensions and design, please refer to the submitted plans.
SCDG LLC (SoCal Design Group) is not Responsible for Post Simulation Production Design Changes



Location Map



Proposed

Notes: Looking west at proposed project



Existing

Applicant

T-Mobile USA
3 Imperial Promenade
Santa Ana, CA 92707
(714) 850-2400

Contact

Synergy Development Svc
7543 Woodley Ave #201
Van Nuys, CA 91406
(818) 840-0808

Photographic Visualizations Provided By:

SoCal
SCDG LLC.
SoCal Design Group
10803 Aster Lane
Apple Valley, CA 92308
www.scdgllc.com
(951) 225-5421
edward@scdgllc.com

This photo simulation is being provided as a conceptual representation of the proposed wireless facility.
For exact dimensions and design, please refer to the submitted plans.
SCDG LLC (SoCal Design Group) is not Responsible for Post Simulation Production Design Changes



Location Map



Proposed

Notes: Looking south west at proposed project



Existing

Applicant

T-Mobile USA
3 Imperial Promenade
Santa Ana, CA 92707
(714) 850-2400

Contact

Synergy Development Svc
7543 Woodley Ave #201
Van Nuys, CA 91406
(818) 840-0808

Photographic Visualizations Provided By:

SoCal
SCDG LLC.
SoCal Design Group
10803 Aster Lane
Apple Valley, CA 92308
www.scdgllc.com
(951) 225-5421
edward@scdgllc.com

This photo simulation is being provided as a conceptual representation of the proposed wireless facility.
For exact dimensions and design, please refer to the submitted plans.
SCDG LLC (SoCal Design Group) is not Responsible for Post Simulation Production Design Changes



January 16, 2018

City of Culver City – City Hall
9770 Culver Blvd.
Culver City, CA. 90232

Re: Alternative sites
T-Mobile LA33664E – W/O 10875 Culver Blvd

To Whom It May Concern:

The below locations were also looked at but the land lord wouldn't work with us or the location did not meet RF requirements.

RING	Proposed CLetter	RF STATUS	LAT	LONG	TYPE	PROPERTY OWNER
LA33664	A	Rejected-LL	34.010505	-118.406576	Building	NFL Network
LA33664	B	Rejected-RF	34.011587	-118.404267	Rooftop	Yellow Apartments
LA33664	C	Rejected-SAQ	34.00878	-118.406775	New Monopole	City Row
LA33664	D	Rejected-LL	34.01182	-118.409704	Parking lot -NFL	NFL Network
LA33664	E	Rejected-RF	34.012299	-118.409094	Rawland parking/rooftop	
LA33664	F	Rejected-LL	34.01152	-118.410296	Rooftop Church	Mosque
LA33664	G	No responses	34.001088	-118.403004	Rooftop	Building / Apartments

If you should have any additional questions or concerns, please don't hesitate to contact me directly.

Respectfully,

A handwritten signature in black ink, appearing to read 'Cody Blandino', is displayed within a light gray rectangular box.

Cody Blandino | *Permit Coordinator*

Synergy Engineering Services, Inc.

7543 Woodley Avenue, Suite 201 | Van Nuys, CA 91406

c: 626.324.4913 | f: 818.840.0708 | e: cblandino@synergy.cc



January 16, 2018

City of Culver City – City Hall
9770 Culver Blvd.
Culver City, CA. 90232

Re: Noise Study
T-Mobile LA33664E – W/O 10875 Culver Blvd

To Whom It May Concern:

Upon review of the Culver Municipal Code there is nothing in regards to decibel limits when placing a cabinet in the ROW. If the City can provide those limitations a study can be produced to comply.

If you should have any additional questions or concerns, please don't hesitate to contact me directly.

Respectfully,

A handwritten signature in black ink, appearing to read 'Cody Blandino', is shown within a light gray rectangular box.

Cody Blandino | *Permit Coordinator*

Synergy Engineering Services, Inc.

7543 Woodley Avenue, Suite 201 | Van Nuys, CA 91406

c: 626.324.4913 | f: 818.840.0708 | e: cblandino@synergy.cc

W/O 10876 CULVER BLVD., CULVER CITY, CA 90230

PROJECT#: LA33664E

CONTACTS:

1. NOTIFY STREET USE INSPECTION DIVISION, DEBRA SCOTT AT (213) 216-6753
2. NOTIFY MAURICE.CAMACHO@LACITY.ORG, 4 DAYS PRIOR TO START OF WORK.
3. NOTIFY ALL EFFECTED BUS LINE OPERATIONS.
4. CALL CONTRACT ADMINISTRATION DISPATCH AT (213) 485-5080, 24 HOURS PRIOR TO START OF WORK.

GENERAL NOTES-TRAFFIC CONTROL:

IT IS THE RESPONSIBILITY OF THE CONTRACTOR PERFORMING WORK TO INSTALL AND MAINTAIN THE TRAFFIC CONTROL DEVICES AS SHOWN HEREIN, AS WELL AS ANY SUCH ADDITIONAL TRAFFIC CONTROL DEVICES AS MANY BE REQUIRED TO INSURE THE SAFE MOVEMENT OF VEHICULAR AND PEDESTRIAN TRAFFIC THROUGH OR AROUND THE WORK AREA AND PROVIDE MAXIMUM PROTECTION AND SAFETY TO CONSTRUCTION WORKERS.

ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN THEIR PROPER POSITION AT ALL TIMES AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY.

ALL TRAFFIC CONTROL DEVICES AND TRAFFIC CONTROL WORK SHALL CONFORM TO LATEST EDITIONS OF:

– THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD)

– WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH MANUAL)

– STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION ("GREENBOOK")

ALL FLASHING ARROW SIGNS SHALL BE SOLAR POWERED

CONTRACTOR SHALL PROVIDE FLAGMAN AS NECESSARY TO GIVE ADEQUATE WARNING TO TRAFFIC OR TO THE PUBLIC OF ANY DANGEROUS CONDITIONS TO BE ENCOUNTERED.

CONTRACTOR SHALL REMOVE TEMPORARY TRAFFIC DELINEATION, SIGNAGE, AND OTHER DEVICES WHEN NO LONGER REQUIRED, AND SHALL RESTORE AREAS TO ORIGINAL CONDITIONS.

CONTRACTOR SHALL COVER EXISTING SIGNS WHERE THEY CONFLICT WITH CONSTRUCTION DETOURS AND SIGNING.

ALL OPEN EXCAVATION OR CONSTRUCTION WORK SHALL BE A MINIMUM OF 5' FROM ANY OPERATING TRAFFIC LANES.

CONTRACTOR SHALL COORDINATE WITH THE CITY FOR ANY TEMPORARY TRAFFIC SIGNAL TIMING MODIFICATION.

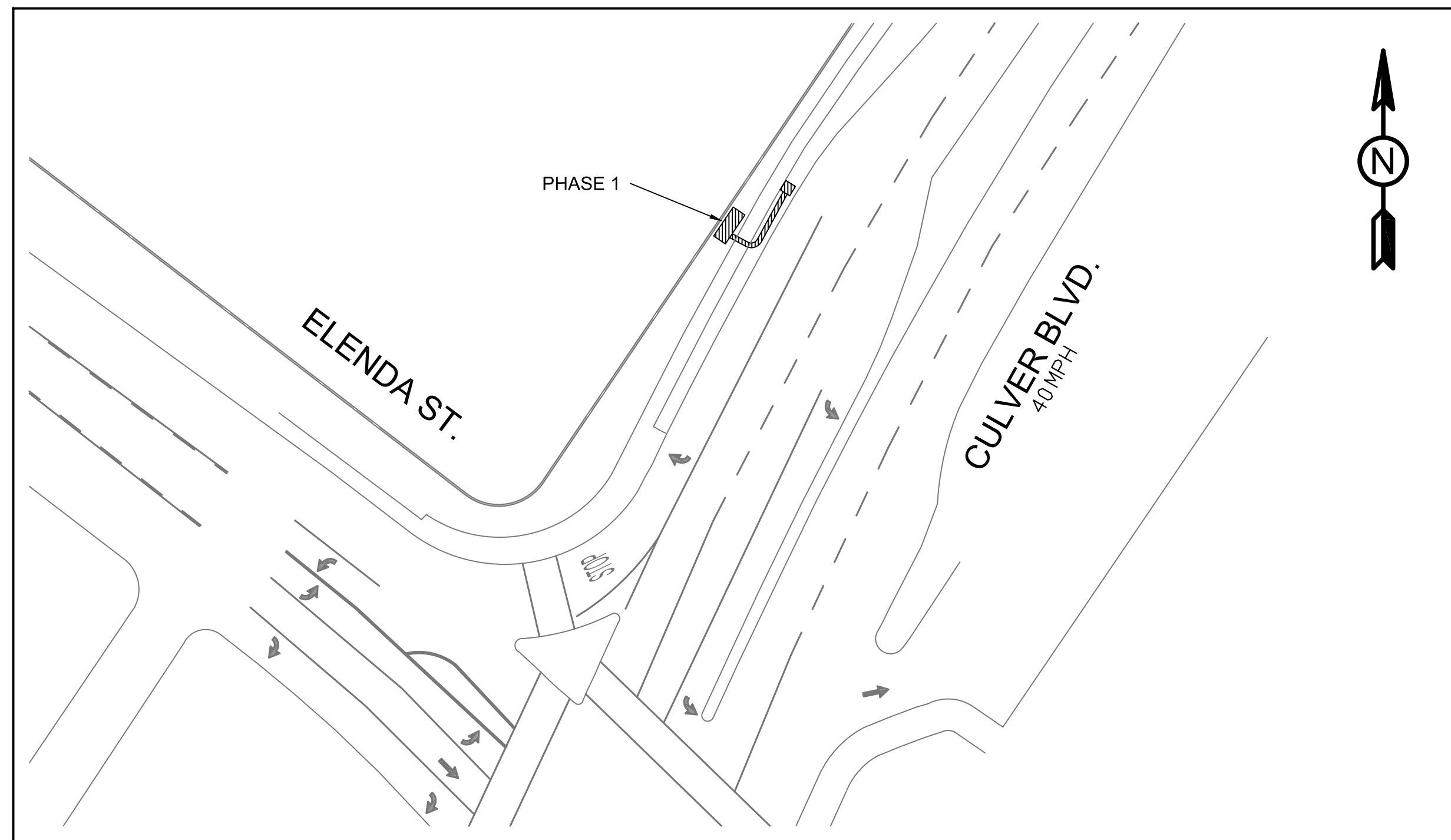
ALL STRIPING AND MARKING SHALL CONFORM TO SECTION 310-5.6 OF THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION. TEMPORARY REMOVABLE STRIPING TAPE (DETOUR GRADE) MAY BE USED IN LIEU OF PAINTED STRIPING.

THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES DURING WORK HOURS. CONSTRUCTION OPERATION SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS/OPERATORS.

ALL SIGNS SHALL BE RETRO-REFLECTORIZED AND STANDARD SIZE.

THE CONTRACTOR SHALL PROVIDE FOR SAFE PEDESTRIAN ACCESS AT ALL TIMES.

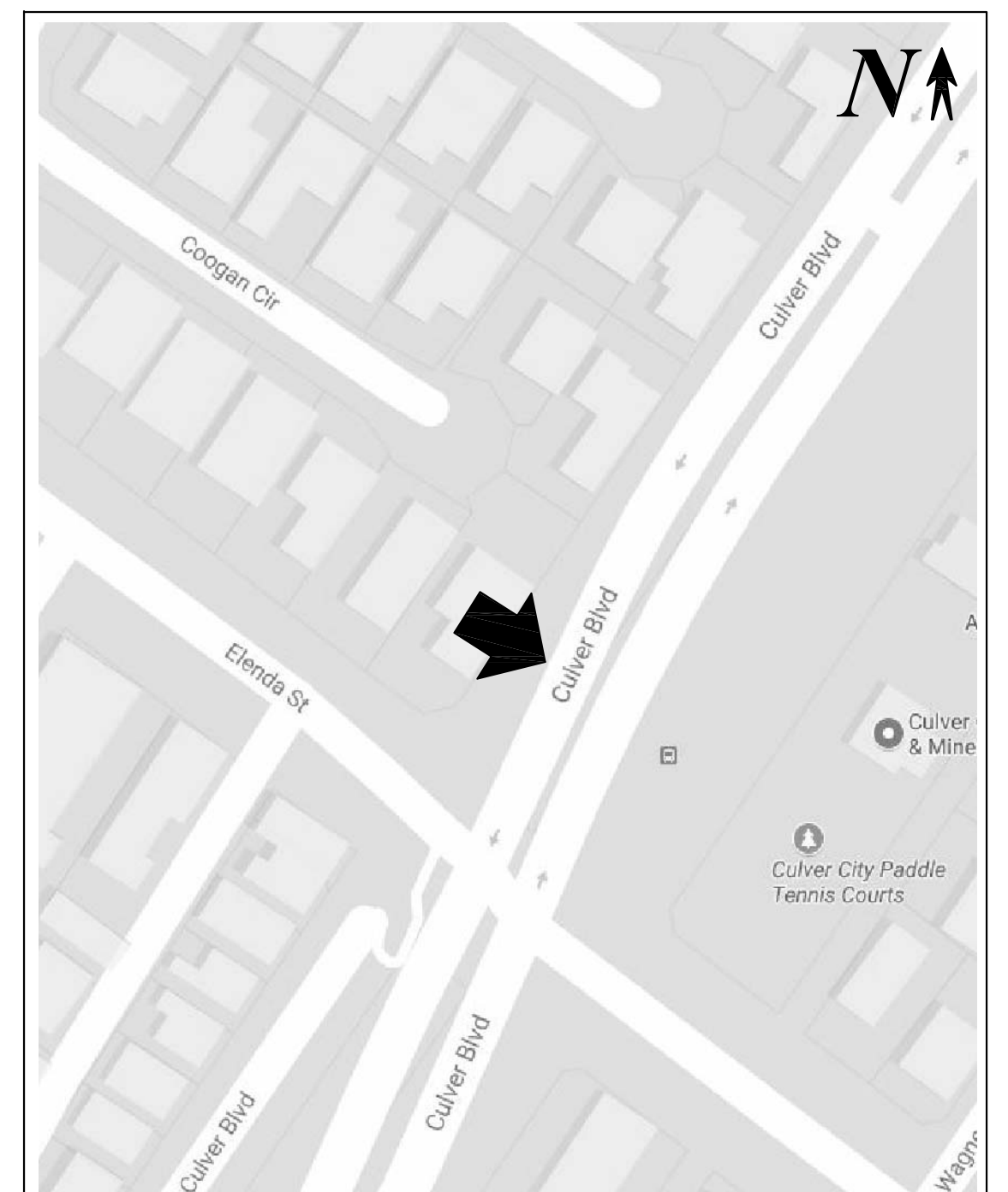
PROJECT ROUTE OVERVIEW



DRAWING/SHEETS

SHEET	DESCRIPTION
TCP-01	COVER SHEET/NOTES/MAP AND INDEX TO TCP'S
TCP-02	TRAFFIC CONTROL PLAN - PHASE 1

VICINITY MAP

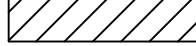


CULVER ROW

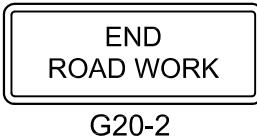
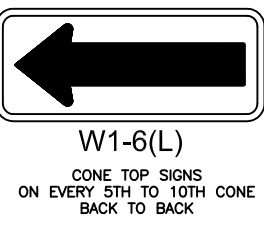
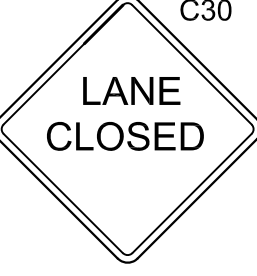
COVER SHEET/NOTES

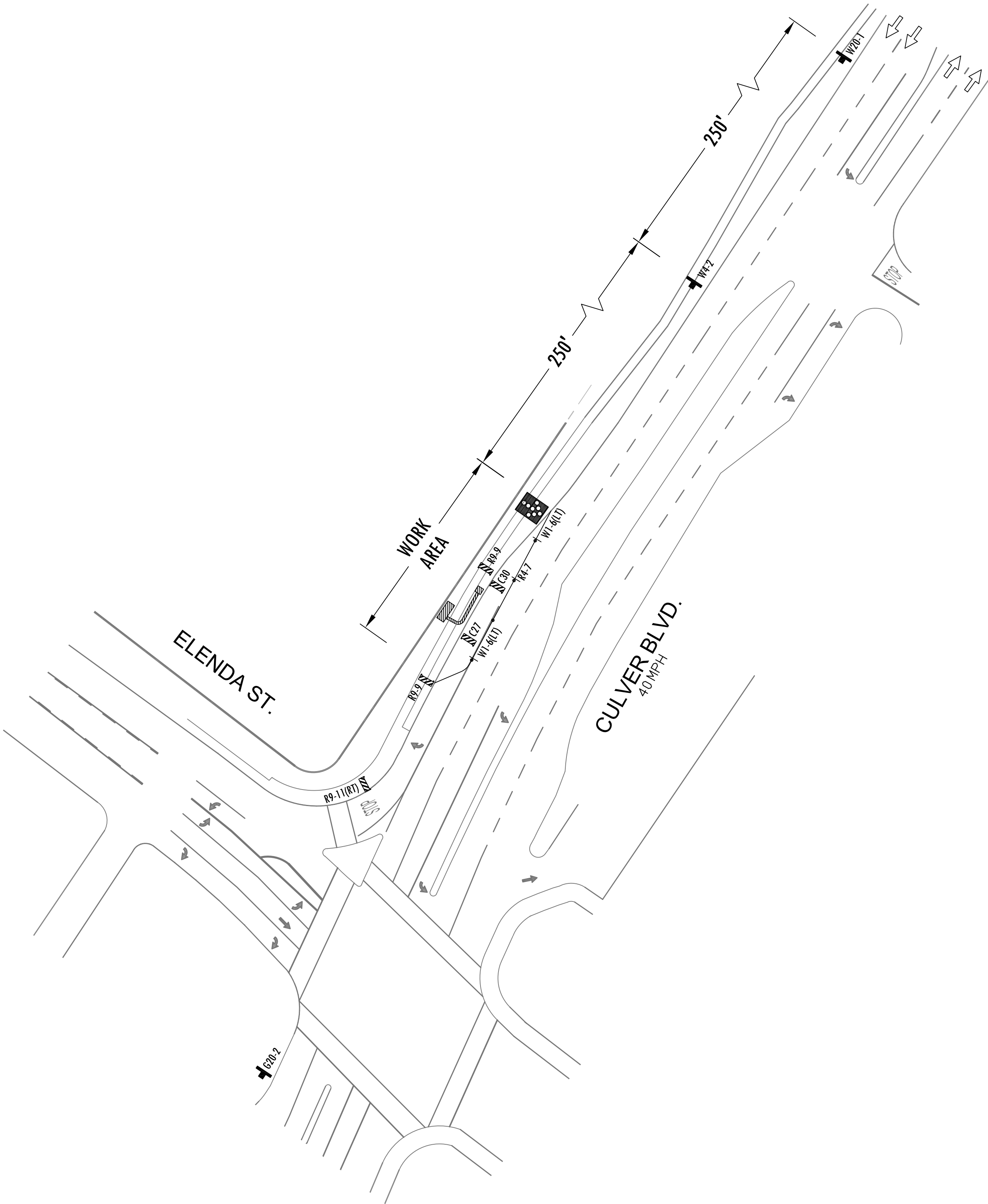
DRAWING NO. LA33664E	TCP-01	SCALE N.T.S.
DATE: 10-05-17		PREPARED BY M.B.

LEGEND

-  TYPE II BARRICADE
-  CHANNELIZING DEVICE
-  TRAFFIC CONE WITH CLIP ON SIGN
-  SIGN
-  SIGN WITH HIGH LEVEL WARNING
DEVICE (FLAGTREE)
-  POST TEMPORARY NO
PARKING SIGNS
-  SIGNALIZED INTERSECTION
-  ARROW PANEL (FLASHING ARROW)
-  DOUBLE ARROW PANEL (FLASHING ARROW)
-  FLAGMAN
-  WORK ZONE (ACTIVITY AREA) LIMITS
-  PAVEMENT MARKING
-  DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)
-  ADDRESS

SIGNS:

-  C27
OPEN TRENCH
-  END
ROAD WORK
G20-2
-  W1-6(L)
CONE TOP SIGNS
ON EVERY 5TH TO 10TH CONE
BACK TO BACK
-  W4-2
-  W20-1
ROAD
WORK
AHEAD
-  C30
LANE
CLOSED
-  SIDEWALK
CLOSED
R9-9
-  SIDEWALK CLOSED
CROSS HERE
R9-11A



PHASE 1

WORKSITE TRAFFIC CONTROL PLAN			
CULVER ROW			
W/O 10876 CULVER BLVD.CULVER CITY, CA 90230			
AT X-STREET			
ELEENDA ST.			
DATE: 10-05-17	SHEET NO. TCP-02	SCALE 1"=40'	DRAWN BY M.B.
DRAWING NO.: LA33664E			
REVISION:			