



# SITE ID: ATTASG37M1

## BEHIND: 2836 RIDGEGATE DR RANCHO PALOS VERDES, CA 92075



38 TECHNOLOGY DR., STE. 250,  
IRVINE, CA 92618



1387 CALLE AVANZADO  
SAN CLEMENTE CA 92673 (949) 391-6824

DRAWN BY: MEM

CHECKED BY: MM

### PROJECT DESCRIPTION

CROWN CASTLE PROPOSES TO INSTALL A NEW WIRELESS INSTALLATION LOCATED IN THE PUBLIC RIGHT OF WAY.

THE SCOPE WILL CONSIST OF THE FOLLOWING:

- \* REMOVE (1) (E) 28'-9" EXISTING CONCRETE POLE (BY SCE)
- \* INSTALL (1) (N) 28'-9" STEEL FAUX CONCRETE REPLACEMENT POLE (BY SCE)
- \* INSTALL (2) (N) 2'-0" AMPHENOL ANTENNAS W/ MOUNTING BRACKET ON POLE
- \* INSTALL (1) (N) 2'-0" X 3'-0" HANDHOLE W/ WTR FUSE BOX INSIDE (SCE POWER)
- \* INSTALL (1) (N) ELECTRICAL DISCONNECT SWITCH INSIDE (N) HANDHOLE
- \* INSTALL (1) (N) 4'-0" X 6'-0" U/G EQUIPMENT VAULT W/ FLUSH MOUNT VENTS
- \* INSTALL (2) (N) ANDREW ION RADIO UNITS INSIDE (N) EQUIPMENT VAULT

\* (N) EQUIPMENT TO BE PAINTED AND TEXTURED TO MATCH REPLACEMENT POLE.

### PROJECT SITE INFORMATION

NEAREST CROSS STREETS: HAWTHORNE BLVD  
RIDGEGATE DRIVE  
NEAREST ADDRESS: 2836 RIDGEGATE DR  
NEAREST APN: 7587-005-010  
LAT/LONG TYPE: NAD-83  
LATITUDE: 33.777090  
LONGITUDE: -118.384970  
ZONING JURISDICTION: RANCHO PALOS VERDES  
APPLICANT: CROWN CASTLE  
ADDRESS: 200 SPECTRUM CENTER DRIVE, SUITE 1800  
IRVINE, CA 92618

### PROJECT TEAM

**CLIENT REPRESENTATIVE:**  
CROWN CASTLE  
200 SPECTRUM CENTER DRIVE, SUITE 1800  
IRVINE, CA 92618

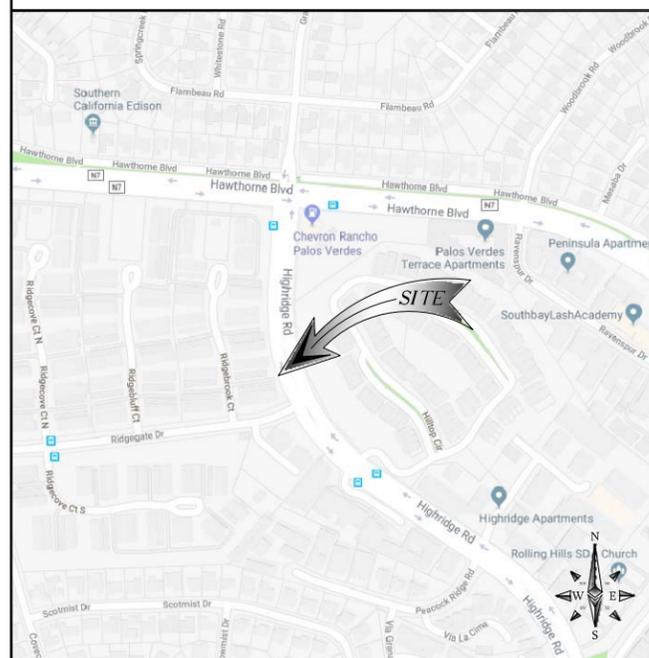
**PROJECT MANAGER:**  
CROWN CASTLE  
200 SPECTRUM CENTER DRIVE, SUITE 1800  
IRVINE, CA 92618  
CONTACT: JON COWELL  
PH: (925) 200-6857

**ENGINEER:**  
M SQUARED WIRELESS  
1387 CALLE AVANZADO  
SAN CLEMENTE, CA 92673  
CONTACT: MICHAEL MONTELLA  
PHONE: (949) 391-6824

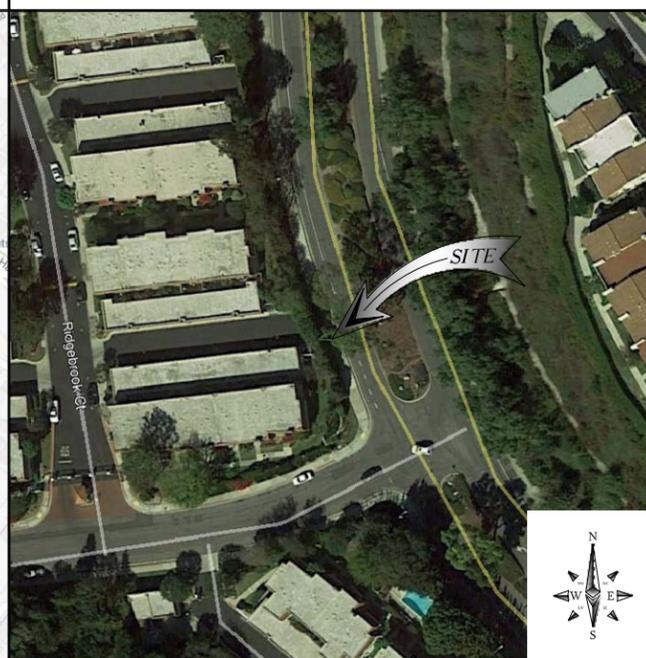
**CONSTRUCTION MANAGER:**  
CROWN CASTLE  
200 SPECTRUM CENTER DRIVE, SUITE 1800  
IRVINE, CA 92618  
CONTACT: MARC CRAM  
PH: (909) 630-4738

### AREA MAPS

#### VICINITY MAP



#### LOCATION MAP



### CONSTRUCTION DRAWING

IF USING 11"x17" PLOT, DRAWING WILL BE HALF SCALE

### DRAWING INDEX

SHEET	SHEET TITLE	SHEET	SHEET TITLE
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PS-1	PHOTO SIMULATION	TC-1	GENERAL NOTES
PS-2	PHOTO SIMULATION	TC-2	VEHICULAR TRAFFIC CONTROL PLAN
PS-3	PHOTO SIMULATION	TC-3	VEHICULAR TRAFFIC CONTROL PLAN
PS-4	PHOTO SIMULATION	TC-4	VEHICULAR TRAFFIC CONTROL PLAN
A-1	SITE PLAN & ENLARGED PLAN	TC-5	VEHICULAR TRAFFIC CONTROL PLAN
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E-1	ELECTRICAL DETAILS	TC-9	VEHICULAR TRAFFIC CONTROL PLAN
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### APPLICABLE CODES

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

- 2016 CALIFORNIA BUILDING CODE
- GO95
- CITY/COUNTY ORDINANCES

### GENERAL NOTES

THE FACILITY IS NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

DO NOT SCALE DRAWINGS.

### DIG ALERT



**Dig Alert**  
Know what's below.  
Call before you dig.

CALIFORNIA SOUTH  
Call Two Working Days Before You Dig!  
811 / 800-227-2600



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

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CROWN CASTLE SITE ID:  
CROWN CASTLE NG WEST  
2836 RIDGEGATE DR  
RANCHO PALOS VERDES, CA 92075  
REPLACEMENT CONCRETE POLE

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1

GENERAL NOTES

**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:

1. ALL REQUIREMENTS OF THE CITY OF ROLLING HILLS "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED PUBLIC IMPROVEMENTS CONSISTENT WITH THE EROSION CONTROL PLAN AND/OR WATER POLLUTION CONTROL PLAN (WPCP), IF APPLICABLE.
2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
3. 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.
4. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
5. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON.
6. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
7. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
8. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED IMPROVEMENT PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
9. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT.
10. 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/DEVELOPER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

**NOTES:**

1. CONTRACTOR TO POTHOLE ALL UTILITY CROSSINGS.
2. CONTRACTOR TO PLACE SANDBAGS AROUND ANY/ALL STORM DRAIN INLETS TO PREVENT CONTAMINATED WATER.
3. SPOILS PILE WILL BE COVERED AND CONTAINED AND STREET WILL BE SWEEPED AND CLEANED AS NEEDED.
4. CONTRACTOR TO REPAIR DAMAGED PUBLIC IMPROVEMENTS TO THE SATISFACTION OF THE CITY ENGINEER.
5. CURB & GUTTER TO BE PROTECTED IN PLACE. SIDEWALK TO BE REPLACED TO THE SATISFACTION OF THE CITY ENGINEER.
6. THE CONTRACTOR SHALL RESTORE THE ROADWAY BACK TO ITS ORIGINAL CONDITION SATISFACTORY TO THE CITY ENGINEER INCLUDING, BUT NOT LIMITED TO PAVING, STRIPING, BIKE LANES, PAVEMENT LEGENDS, SIGNS, AND TRAFFIC LOOP DETECTORS.
7. SIDEWALK SHALL BE RESTORED/REPLACED PER CITY OF LOS ANGELES STANDARD DRAWINGS.
8. PEDESTRIAN RAMP WILL NOT BE DISTURBED.

**ROW GROUND CONSTRUCTION NOTES:**

1. GROUND CONSTRUCTION TO REMOVE/CLEAN ALL DEBRIS, NAILS, STAPLES, OR NON-USED VERTICALS OFF THE POLE.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, STATE, FEDERAL, GO95 AND GO128 STANDARDS AND REGULATIONS.
3. CALL USA 48 HOURS PRIOR TO EXCAVATING AT (800) 227-2600 OR 811.
4. ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR BETTER.
5. ALL EQUIPMENT TO BE BONDED.
6. METERING CABINET REQUIRES 36" CLEARANCE AT DOOR OPENING.
7. CAULK CABINET BASE AT PAD.

**NORMAL LOCATION OF UNDERGROUND UTILITIES NOTES:**

1. LOCATION AND DEPTH OF EXISTING AND PROPOSED UTILITIES MUST BE PROVIDED BY THE SUBDIVIDER AND SHOWN ON ANY PLANS SUBMITTED TO THE DEPT. OF PUBLIC WORKS FOR APPROVAL.
2. CHANGES MAY BE PERMITTED BY THE DEPT. OF PUBLIC WORKS IN CASES OF CONFLICTING FACILITIES.
3. CONFLICTS BETWEEN UTILITY COMPANIES FACILITIES, EXISTING AND PROPOSED, MUST BE MUTUALLY RESOLVED BY THE UTILITY COMPANIES.
4. FOR COMMERCIAL SIDEWALKS, THE FIRE HYDRANT SHALL BE PLACED WITHIN THE SIDEWALK 1'-6" BEHIND FACE OF CURB.
5. MAXIMUM 2" DIAMETER GAS MAINS MAY BE PLACED IN JOINT UTILITIES TRENCH SUBJECT TO APPROVAL OF CITY ENGINEER (IN TRACTS).

**CALIFORNIA STATE CODE COMPLIANCE :**

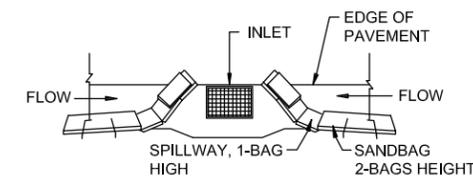
ALL WORK AND MATERIALS SHALL BE PREFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CALIFORNIA ADMINISTRATIVE CODE (INCLUDING TITLES 24 & 25) 2016  
 2016 CALIFORNIA BUILDING CODES WHICH ADOPTS THE 2016 UBC, 2016 UMC, 2016 UPC AND THE 2016 NEC.  
 BUILDING OFFICIALS & CODE ADMINISTRATORS (BOCA)  
 2016 CALIFORNIA MECHANICAL CODE  
 ANSIEIA-222-F LIFE SAFETY CODE NFPA-101  
 2016 CALIFORNIA PLUMBING CODE  
 2016 CALIFORNIA ELECTRICAL CODE  
 2016 LOCAL BUILDING CODE  
 CITY/COUNTY ORDINANCES

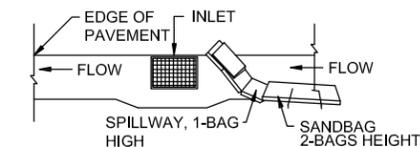
ACCESSIBILITY REQUIREMENTS:  
 FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS DO NOT APPLY IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE.

FCC NOTE:  
 THIS WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.

**STORMDRAIN INLET PROTECTION**



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.



DRAWN BY:	MEM
CHECKED BY:	MM

REV	DATE	DESCRIPTION
3	04/19/2018	100% CD'S REVISED
2	03/08/2018	100% CD'S FOR SUBMITTAL
1	02/21/2018	90% CD'S FOR REVIEW



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 2836 RIDGEGATE DR  
 RANCHO PALOS VERDES, CA 92075  
 REPLACEMENT CONCRETE POLE

SHEET TITLE  
**GENERAL NOTES**

SHEET NUMBER  
**GN-1**



# ASG37

2836 RIDGEGATE DR. RANCHO PALOS VERDES, CA 90275



38 TECHNOLOGY DR., STE. 250,  
IRVINE, CA 92618



1387 CALLE AVANZADO  
SAN CLEMENTE CA 92673 (949) 361-8824

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**PHOTO  
SIMULATION**

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**PS-1**



LOCATION

©2016 Google Maps



EXISTING

LOOKING SOUTHWEST FROM HIGHRIDGE RD



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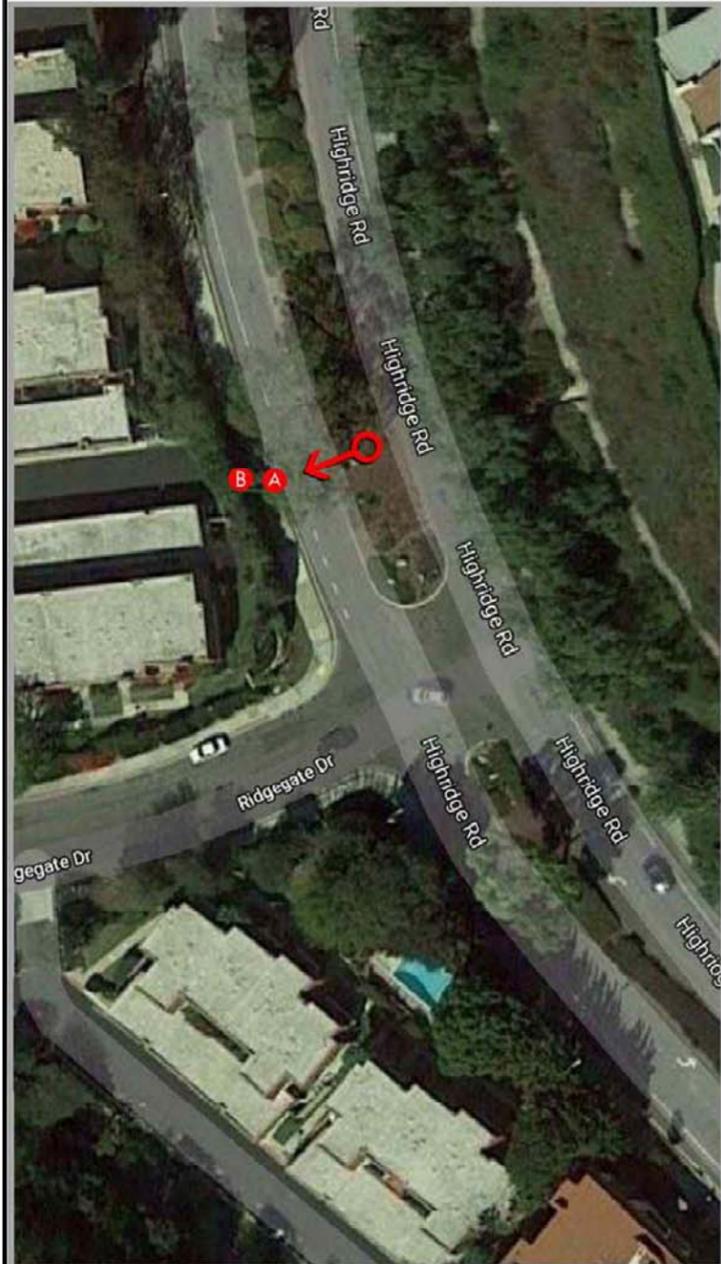
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SIMULATION**

SHEET NUMBER  
**PS-2**



LOCATION

@2016 Google Maps



PROPOSED

LOOKING SOUTHWEST FROM HIGHRIDGE RD



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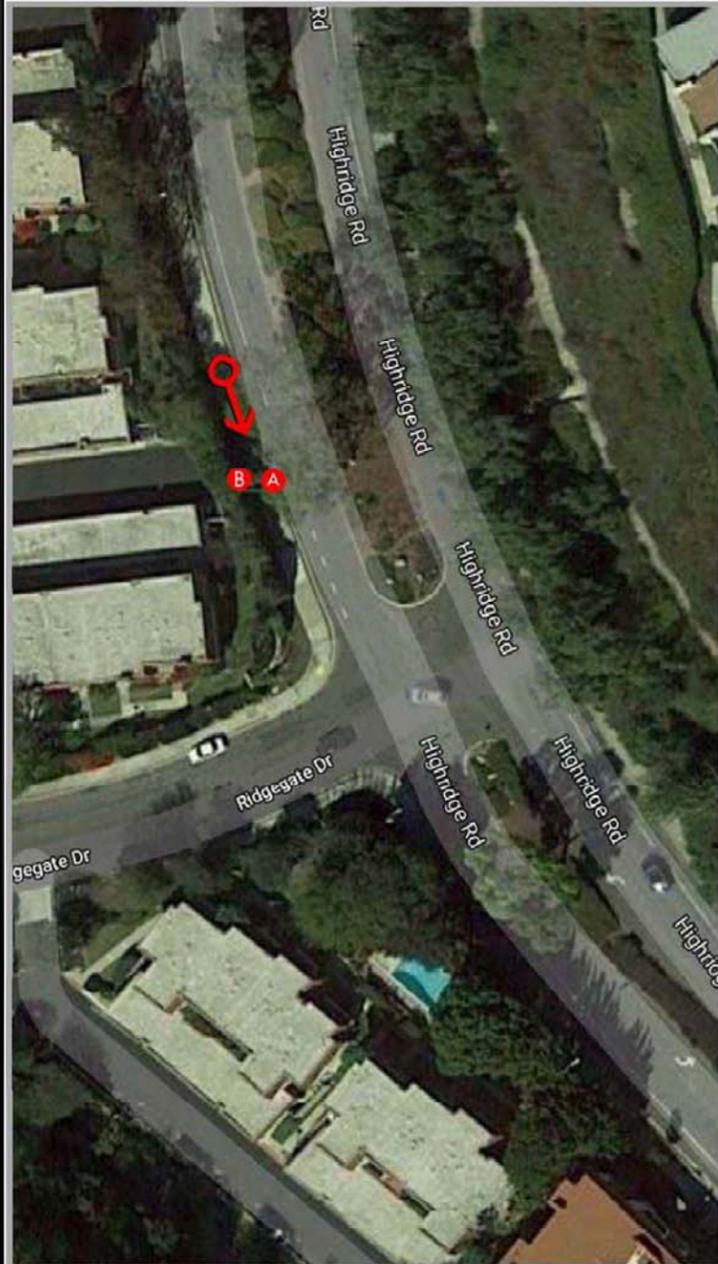
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**PS-3**



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EXISTING

LOOKING SOUTHEAST FROM HIGHRIDGE RD



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**PHOTO  
SIMULATION**

SHEET NUMBER  
**PS-4**



LOCATION

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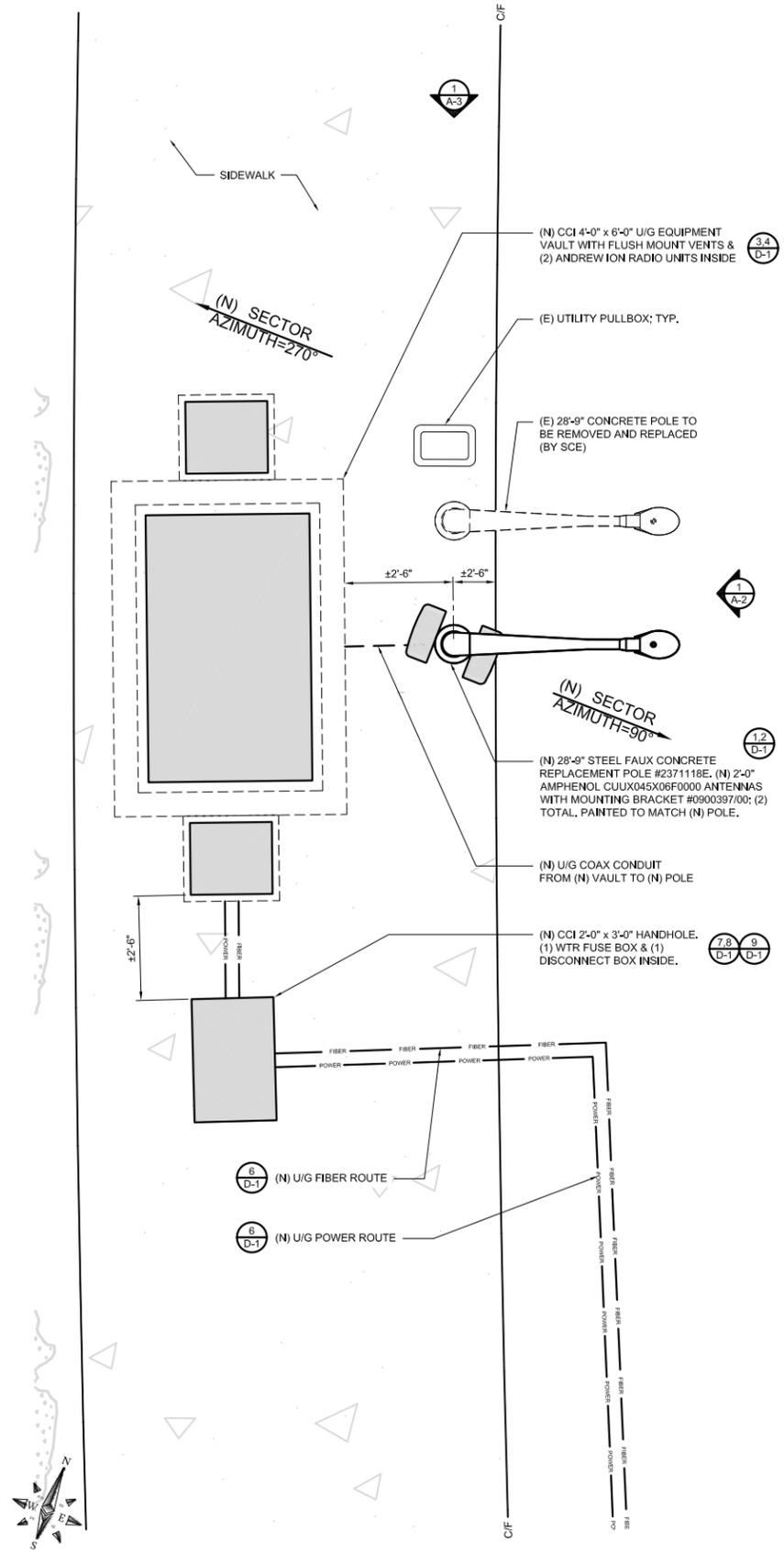
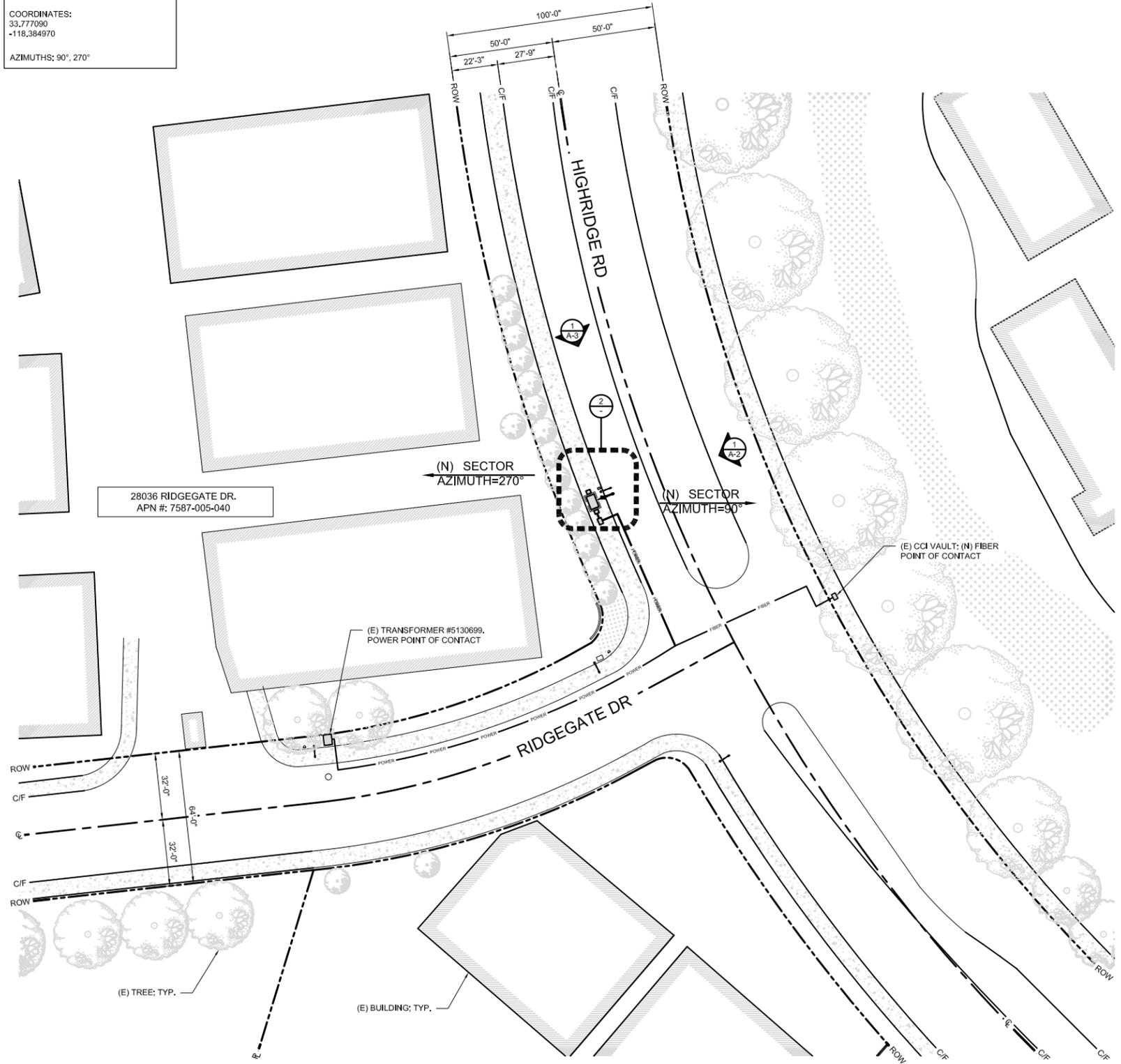
PROPOSED

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NEAREST ADDRESS:  
28036 RIDGEGATE DR.  
RANCHO PALOS VERDES, CA 90275

COORDINATES:  
33.777090  
-118.384970

AZIMUTHS: 90°, 270°



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SHEET TITLE  
SITE PLAN AND  
ENLARGED SITE PLAN

SHEET NUMBER  
**A-1**

ENLARGED PLAN

24"x36" SCALE: 1/2" = 1'-0"  
11"x17" SCALE: 1" = 1'-0"



2

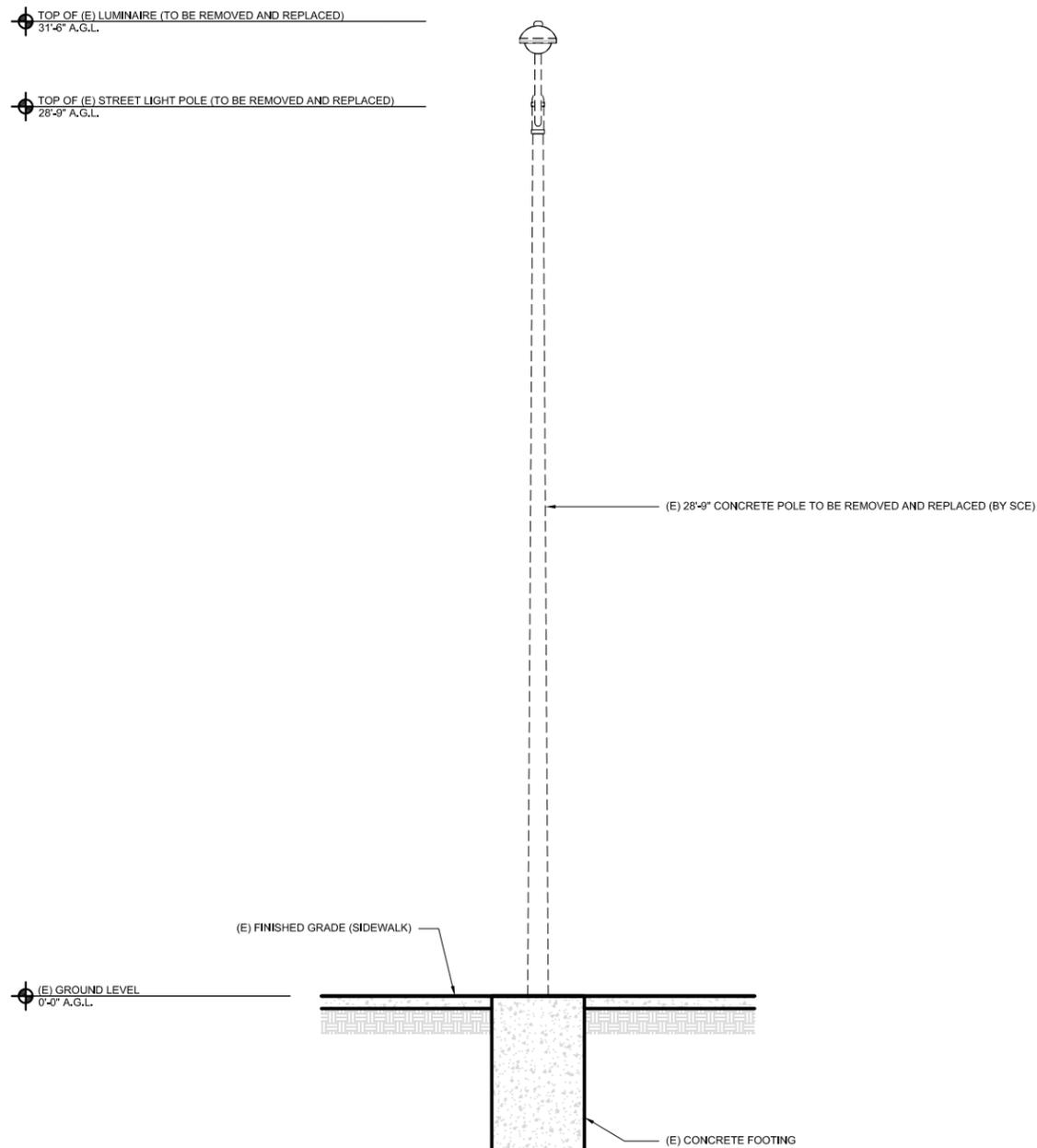
SITE PLAN

24"x36" SCALE: 1" = 30'-0"  
11"x17" SCALE: 1" = 60'-0"

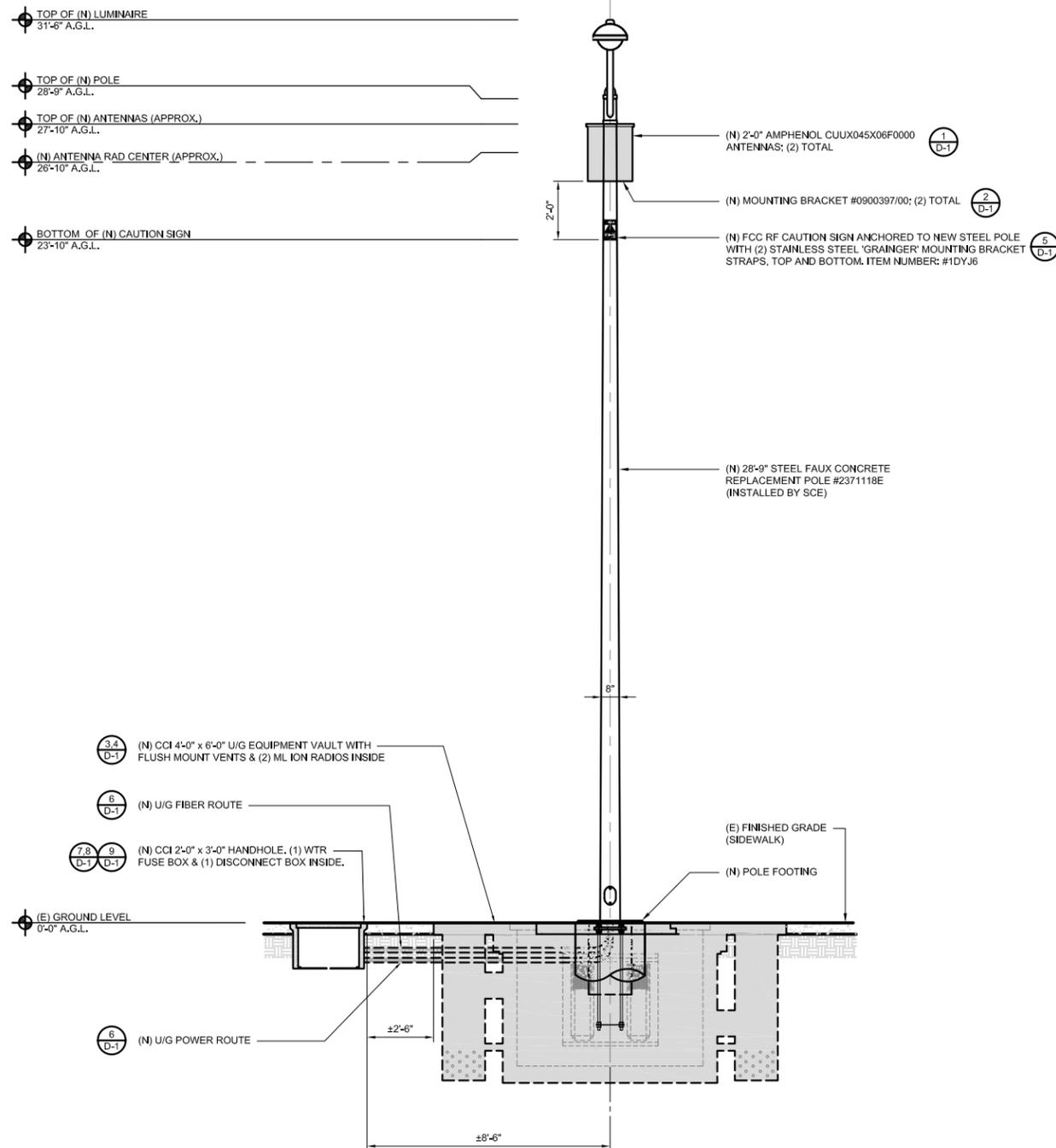


1

- NOTES:
1. TREE AND BUSHES NOT SHOWN FOR CLARITY.
  2. ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITIONS.
  4. NEW ANTENNAS, EQUIPMENT, AND MOUNTING HARDWARE TO BE PAINTED AND TEXTURED TO MATCH POLE.
  5. RESTORE ASPHALT & ALL DISTURBED SURFACES BY NEW CABLE ROUTE PER CITY STANDARDS.



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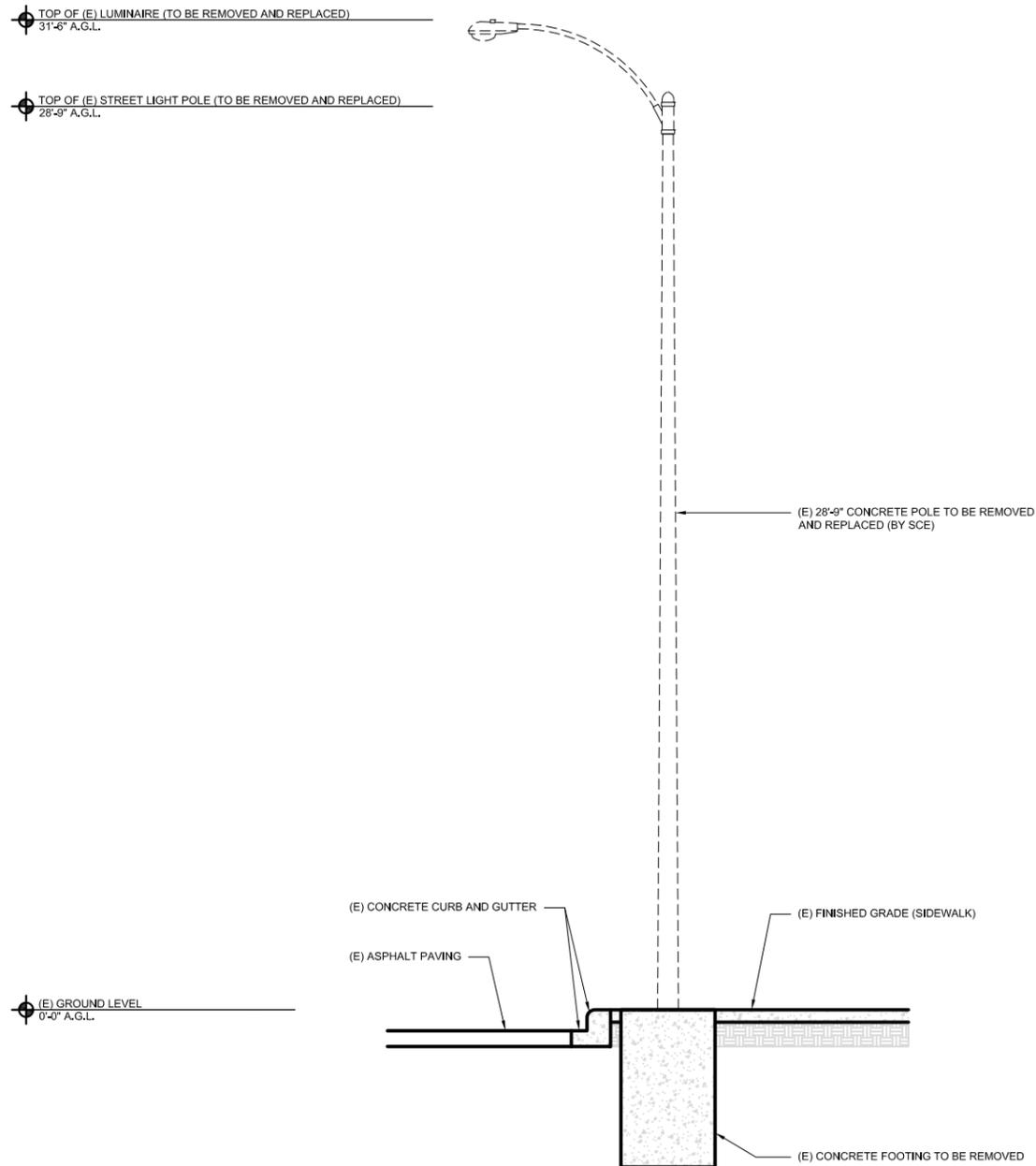
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**ELEVATIONS**

SHEET NUMBER  
**A-2**

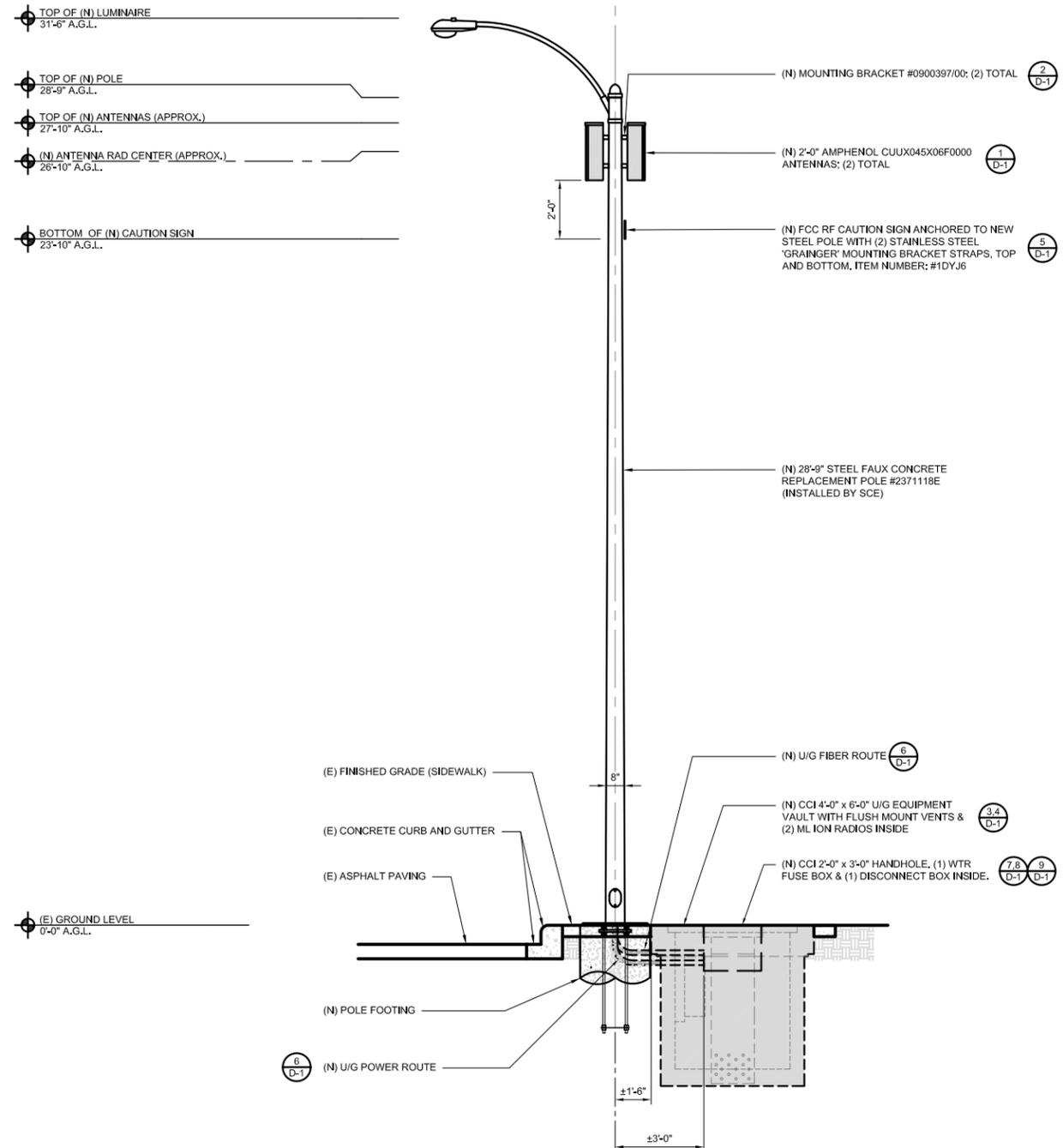
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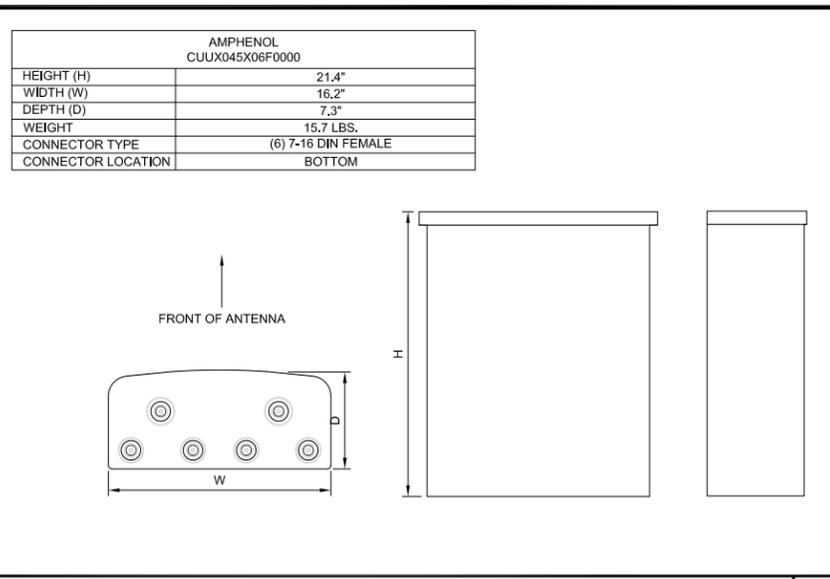
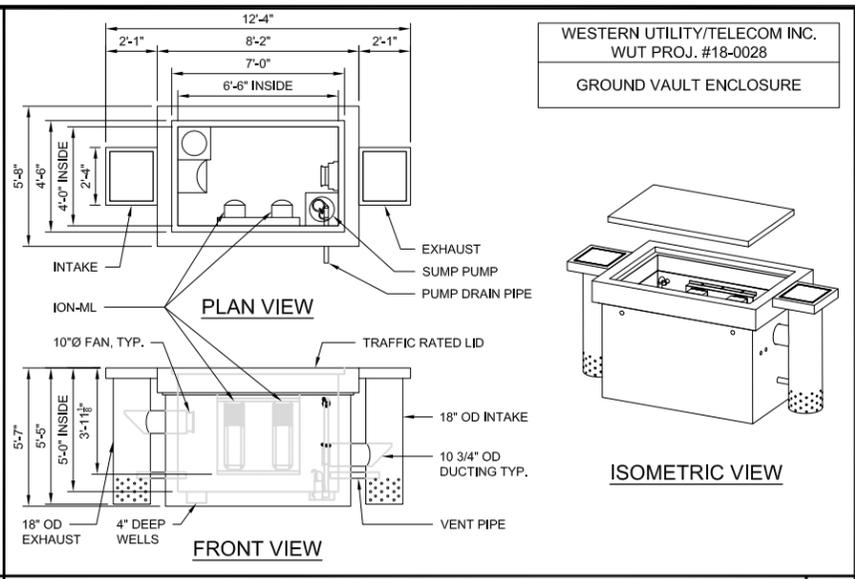
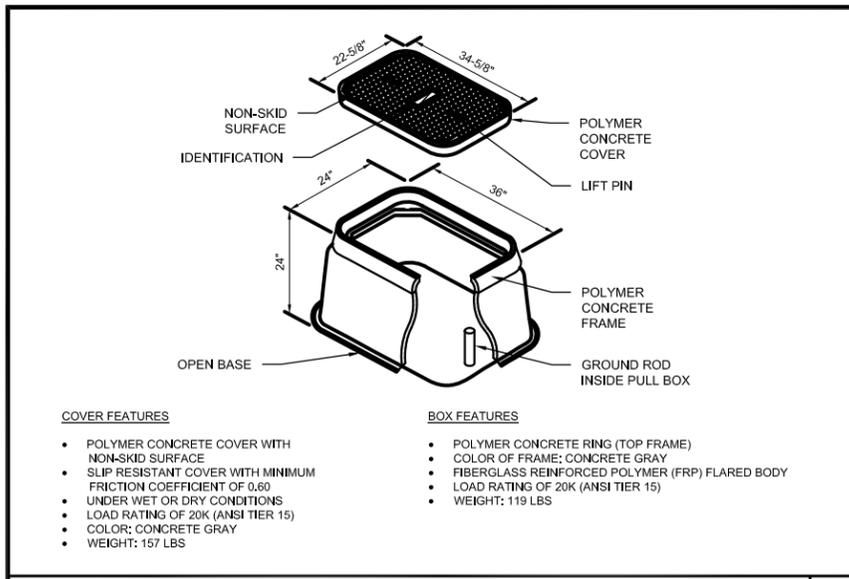


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SHEET NUMBER  
**A-3**



**CROWN CASTLE**

38 TECHNOLOGY DR., STE. 250,  
IRVINE, CA 92618

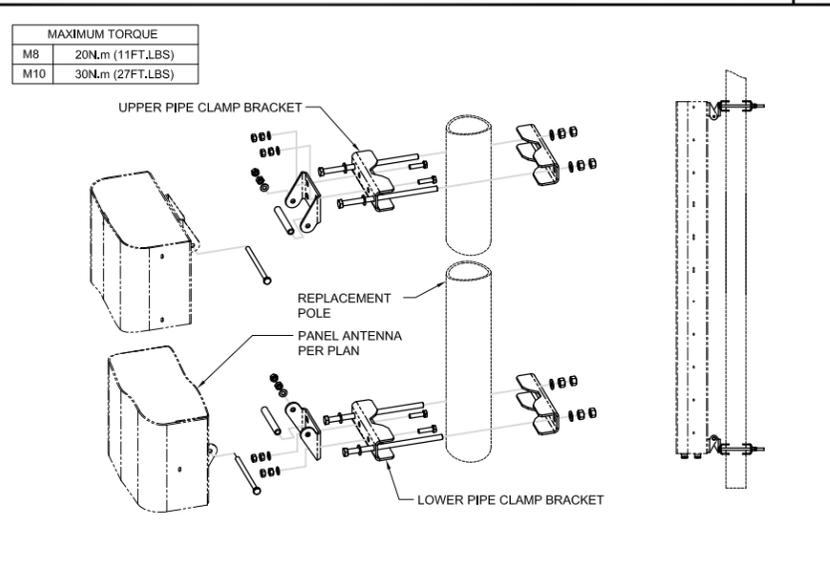
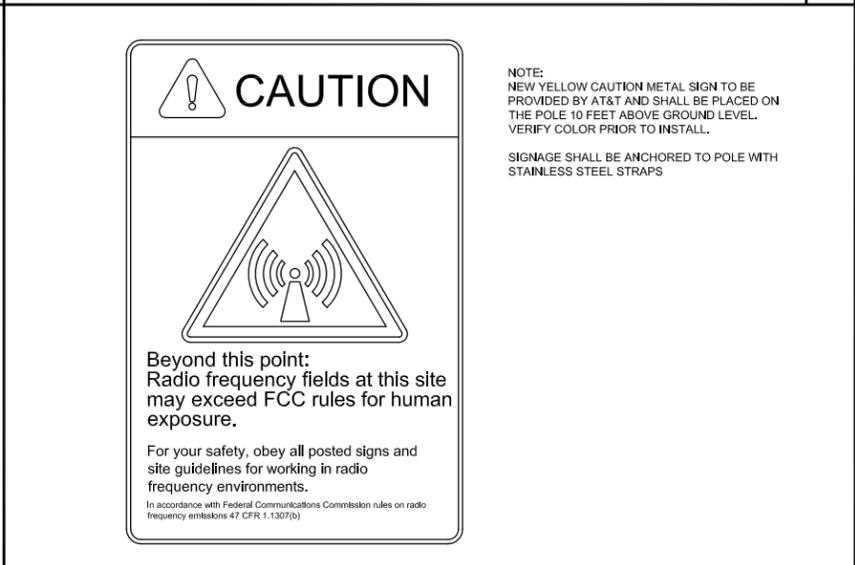
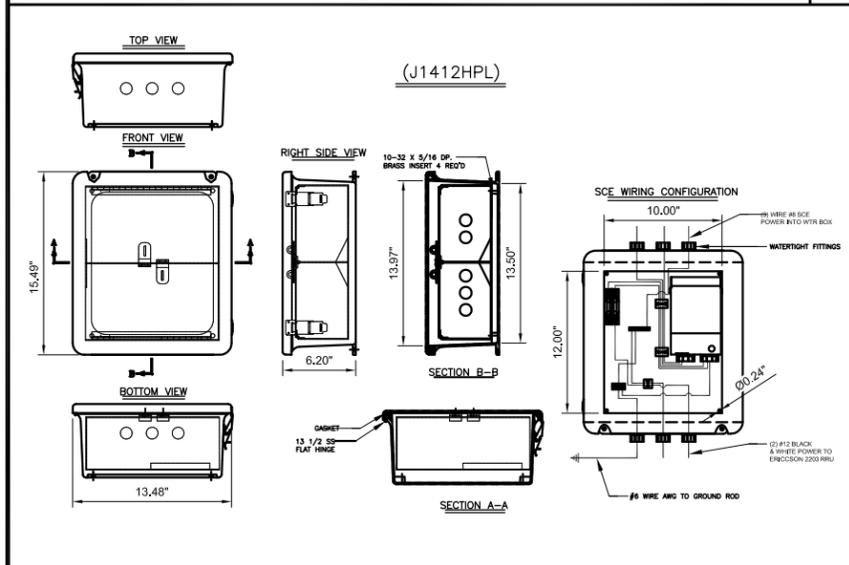
**M SQUARED WIRELESS**

1387 CALLE AVANZADO  
SAN CLEMENTE CA 92673 (949) 361-8824

(N) 2' X 3' HANDHOLE 24"x36" SCALE: NTS 11"x17" SCALE: NTS 7

UNDERGROUND VAULT ENCLOSURE 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4

AMPHENOL 2'-0" PANEL ANTENNA 24"x36" SCALE: NTS 11"x17" SCALE: NTS 1



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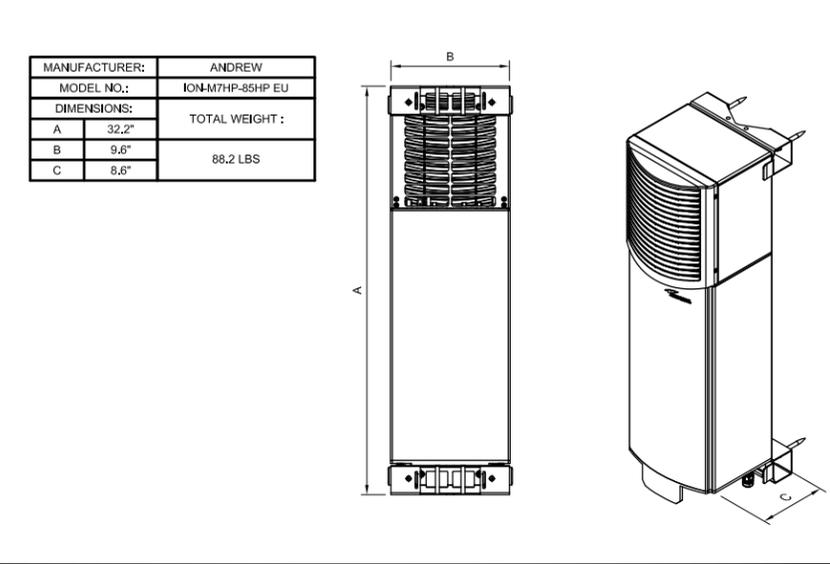
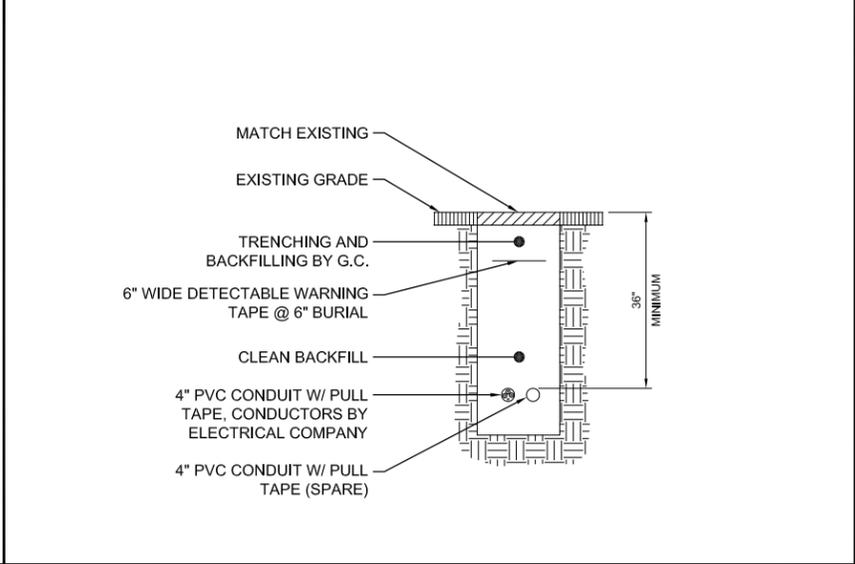
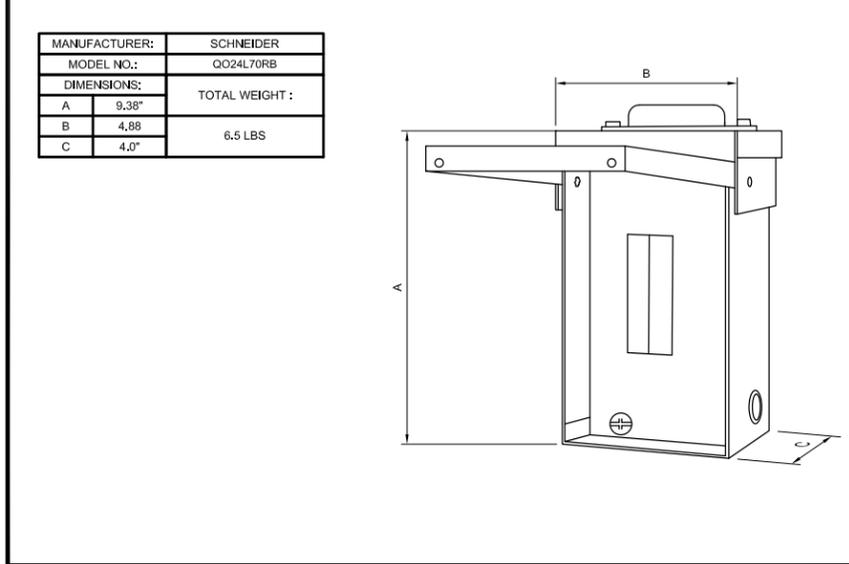
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REV	DATE	DESCRIPTION
3	04/19/2018	100% CD'S REVISED
2	03/08/2018	100% CD'S FOR SUBMITTAL
1	02/21/2018	90% CD'S FOR REVIEW

WTR FUSE BOX - J1412HPL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 8

RF SIGNAGE 24"x36" SCALE: NTS 11"x17" SCALE: NTS 5

ANTENNA MOUNTING DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2



REGISTERED PROFESSIONAL ENGINEER  
LOYAL A. WHARTON  
C50547  
CIVIL  
STATE OF CALIFORNIA

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ATTASG37M1  
CROWN CASTLE SITE ID:  
CROWN CASTLE NG WEST  
2836 RIDGEGATE DR  
RANCHO PALOS VERDES, CA 92075  
REPLACEMENT CONCRETE POLE

SHEET TITLE  
**DETAILS**

SHEET NUMBER  
**D-1**

DISCONNECT SWITCH 24"x36" SCALE: NTS 11"x17" SCALE: NTS 9

TRENCH SECTION DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 6

ION RADIO UNIT 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3

NOT USED

6

NOT USED

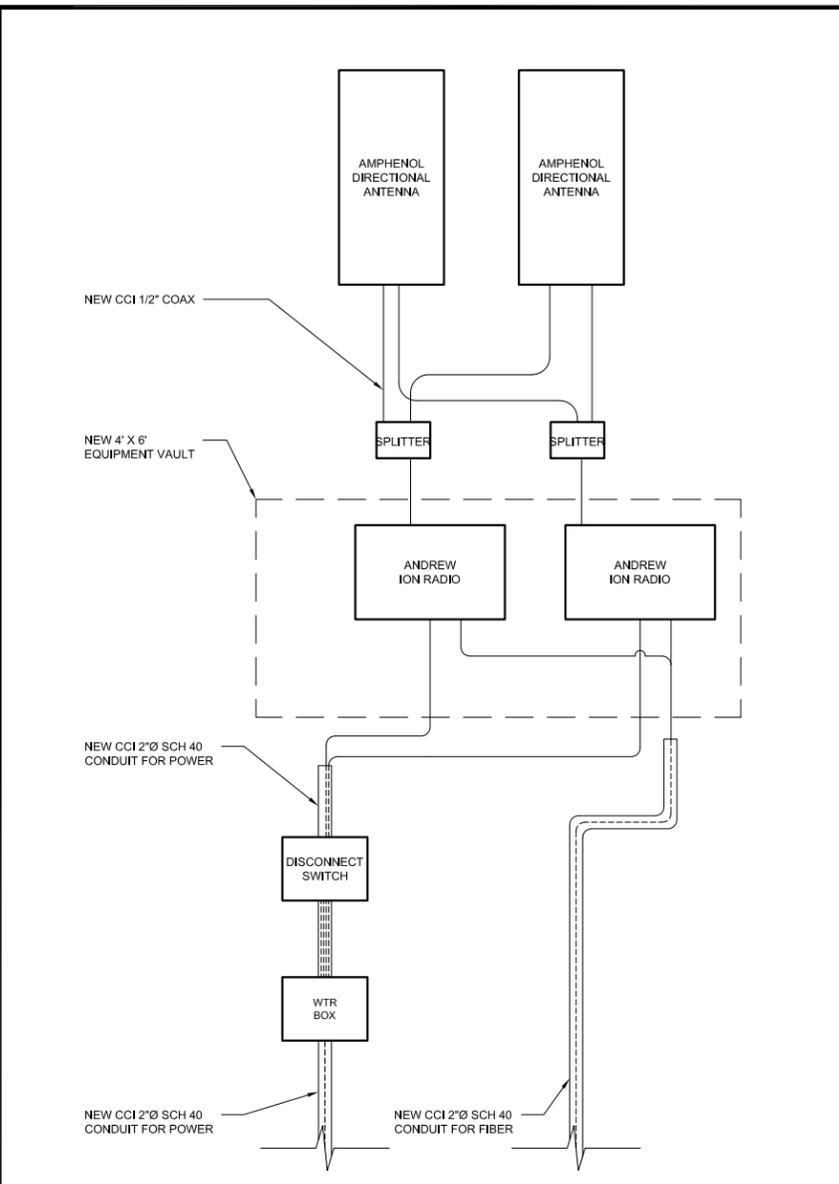
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7

NOT USED

4



SINGLE LINE DIAGRAM 24"x36" SCALE: NTS 11"x17" SCALE: NTS 1

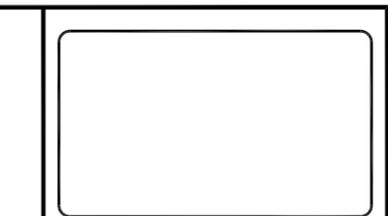
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8

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5

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CHECKED BY: MM

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CROWN CASTLE NG WEST  
2836 RIDGEGATE DR  
RANCHO PALOS VERDES, CA 92075  
REPLACEMENT CONCRETE POLE

SHEET TITLE  
**ELECTRICAL DETAILS**

SHEET NUMBER  
**E-1**

NOT USED

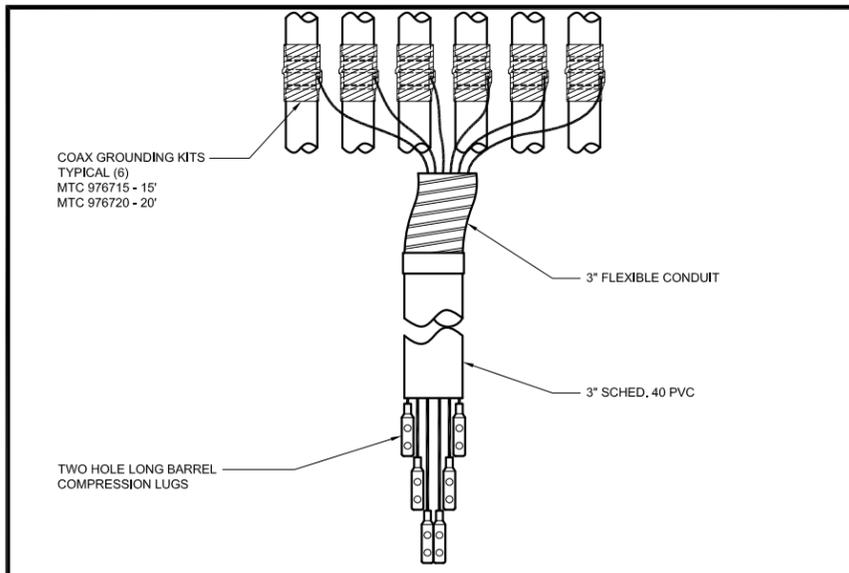
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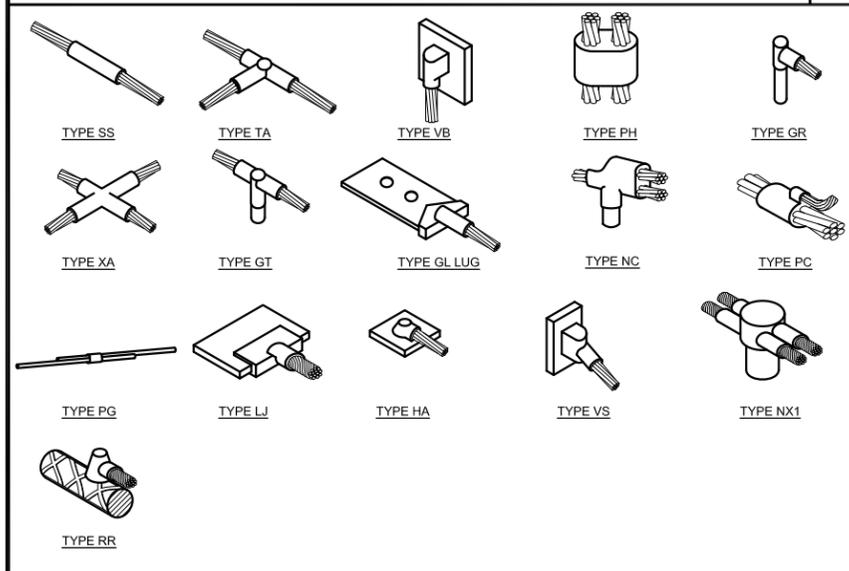
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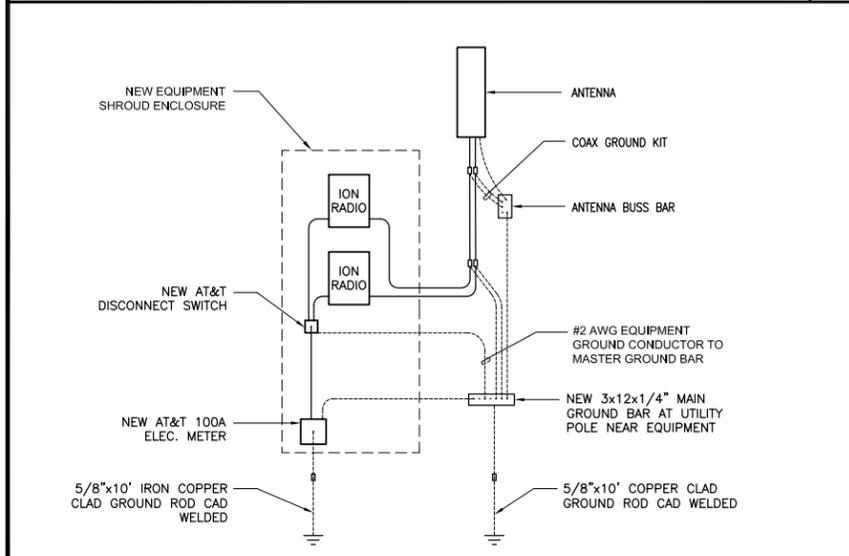
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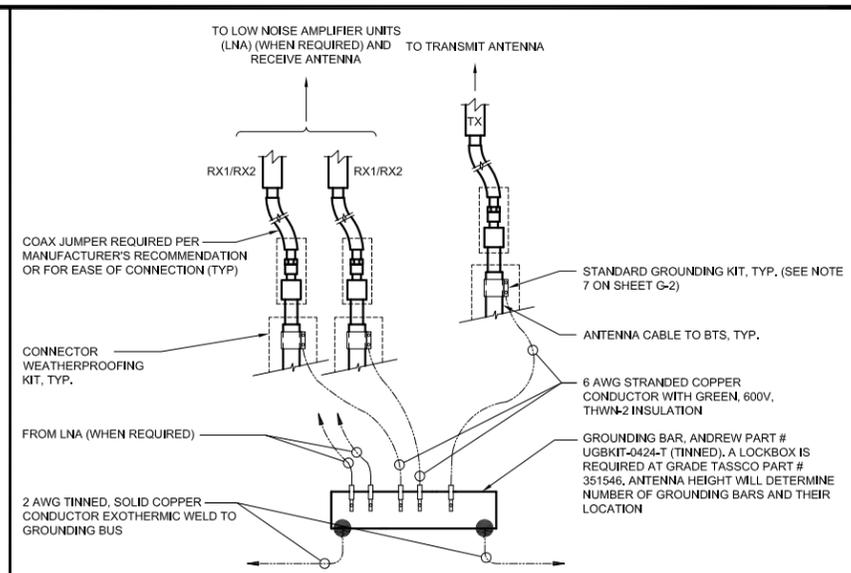
**COAX GROUND KIT** 24"x36" SCALE: NTS 11"x17" SCALE: NTS **7**



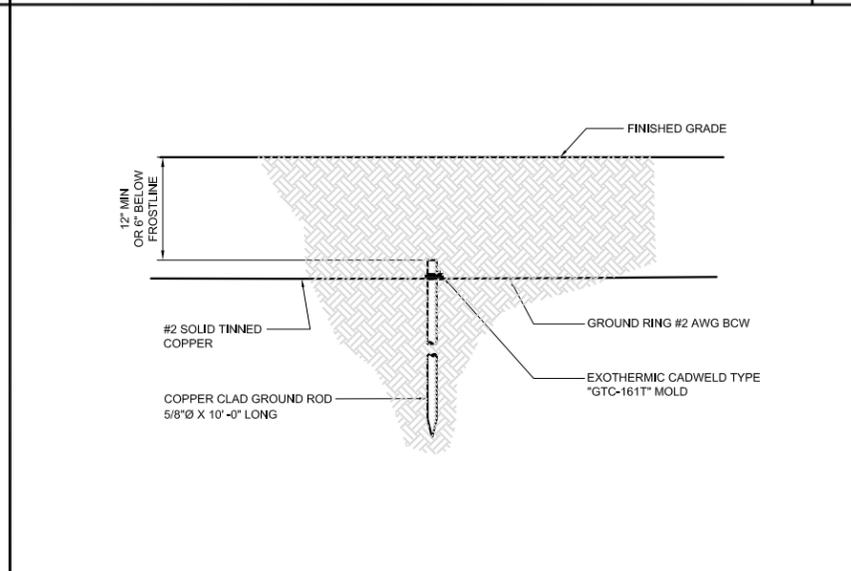
**TYPICAL CADWELD TYPES** 24"x36" SCALE: NTS 11"x17" SCALE: NTS **8**



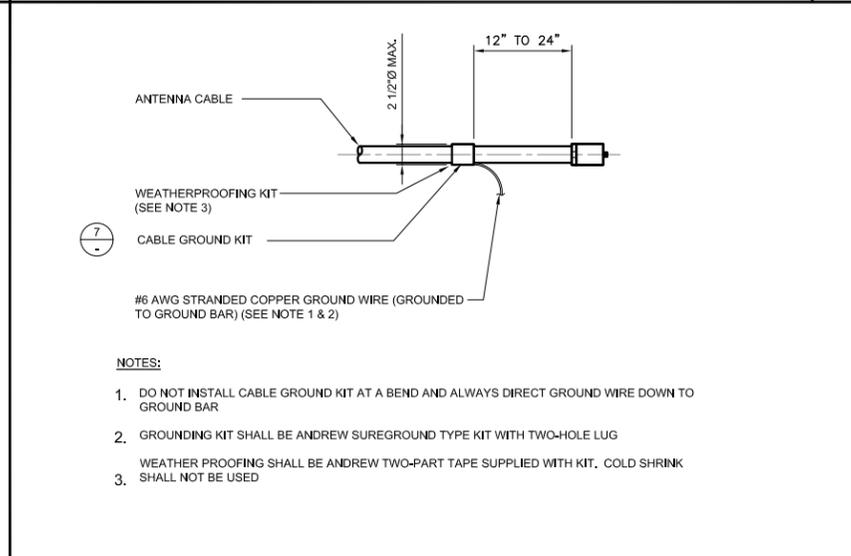
**ELEC./GROUNDING SCHEMATIC** 24"x36" SCALE: NTS 11"x17" SCALE: NTS **9**



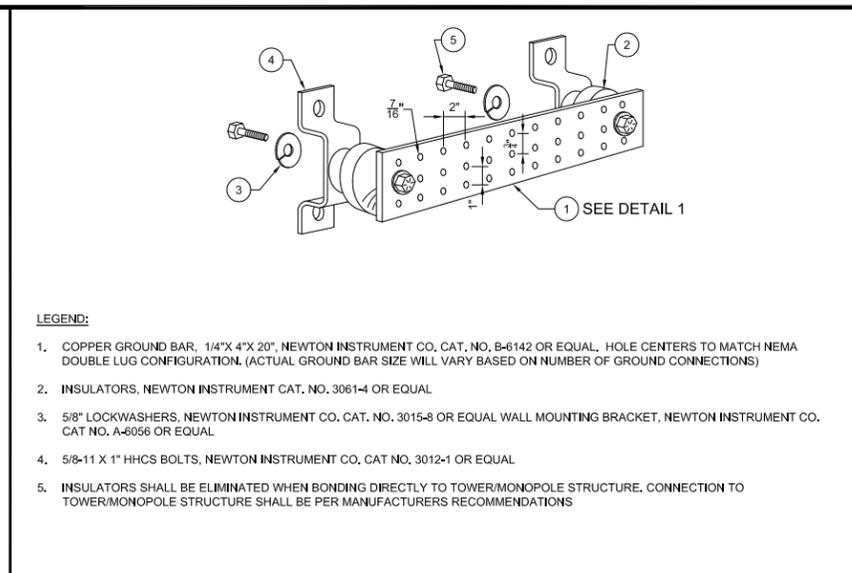
**GROUNDING BAR CONNECTION** 24"x36" SCALE: NTS 11"x17" SCALE: NTS **4**



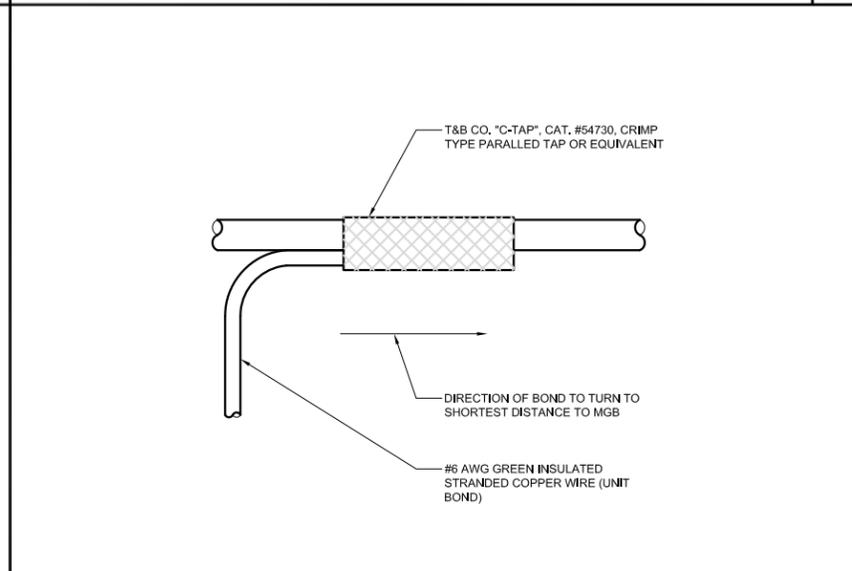
**GROUND ROD/RING** 24"x36" SCALE: NTS 11"x17" SCALE: NTS **5**



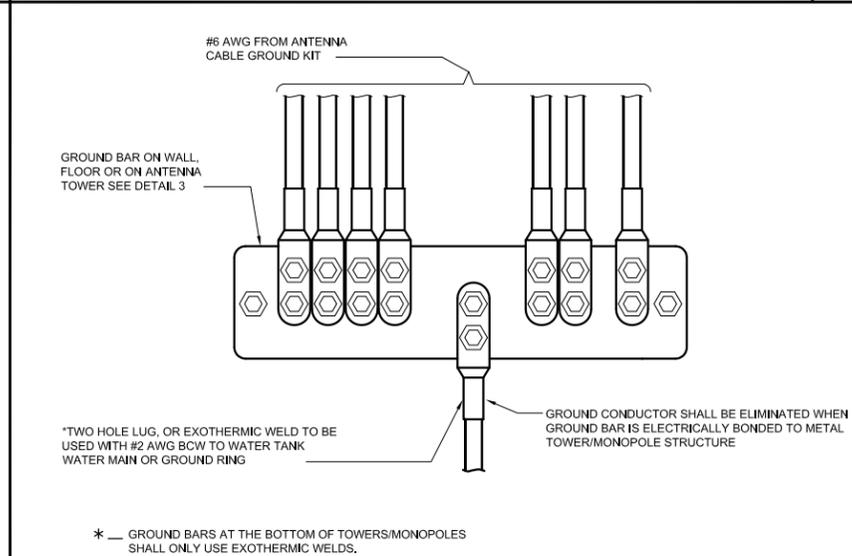
**CABLE GROUND KIT DETAIL** 24"x36" SCALE: NTS 11"x17" SCALE: NTS **6**



**GROUNDING BAR DETAIL** 24"x36" SCALE: NTS 11"x17" SCALE: NTS **1**



**GROUNDING WIRE CONNECTION** 24"x36" SCALE: NTS 11"x17" SCALE: NTS **2**



**WIRE TO GROUND BAR CONNECTION** 24"x36" SCALE: NTS 11"x17" SCALE: NTS **3**

**CROWN CASTLE**

38 TECHNOLOGY DR., STE. 250,  
IRVINE, CA 92618

**M SQUARED WIRELESS**

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SAN CLEMENTE CA 92673 (949) 361-8824

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REV	DATE	DESCRIPTION
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REGISTERED PROFESSIONAL ENGINEER  
LOYAL A. WHARTON  
C50547  
CIVIL  
STATE OF CALIFORNIA

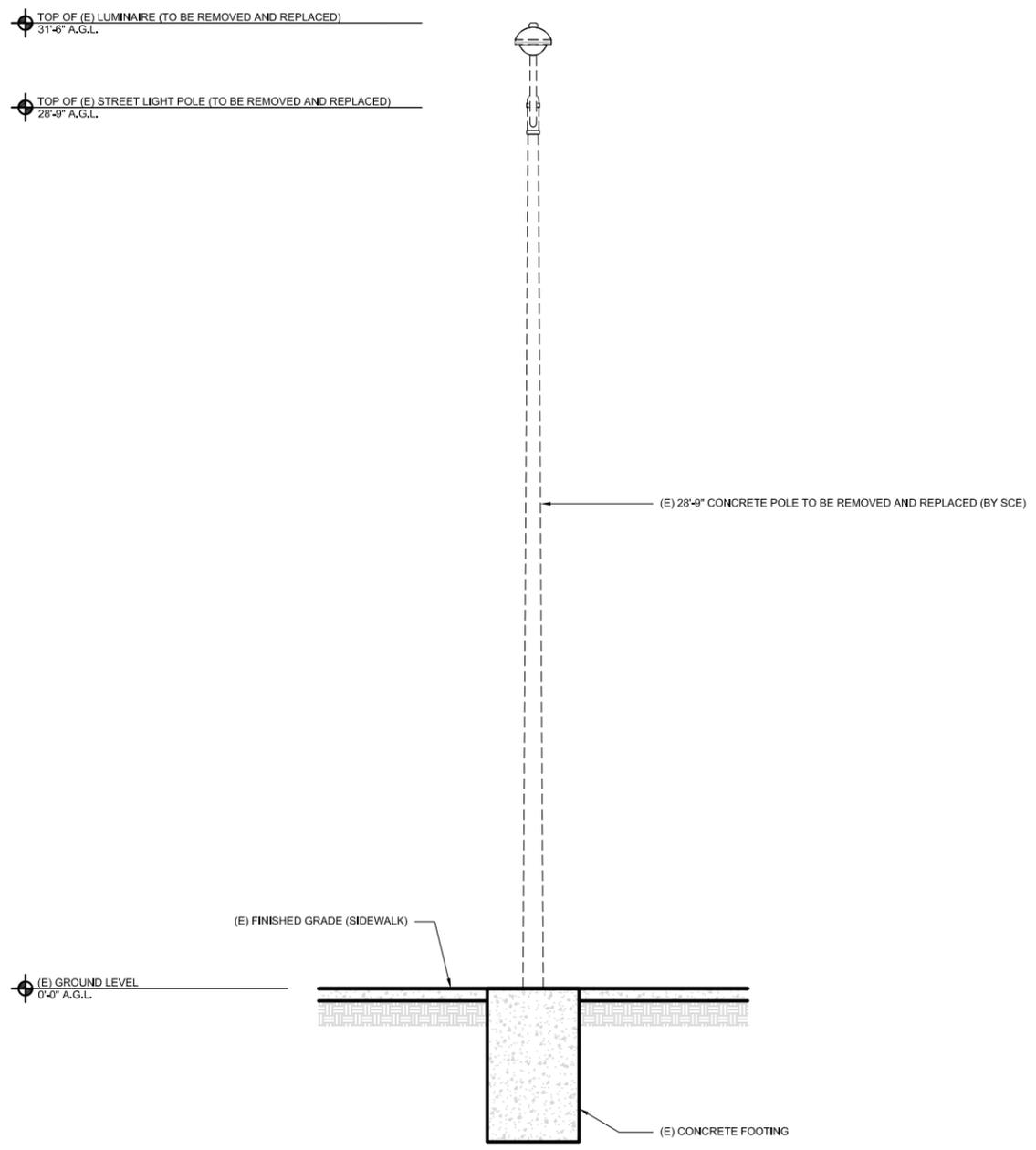
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ATTASG37M1  
CROWN CASTLE SITE ID:  
CROWN CASTLE NG WEST  
2836 RIDGEGATE DR  
RANCHO PALOS VERDES, CA 92075  
REPLACEMENT CONCRETE POLE

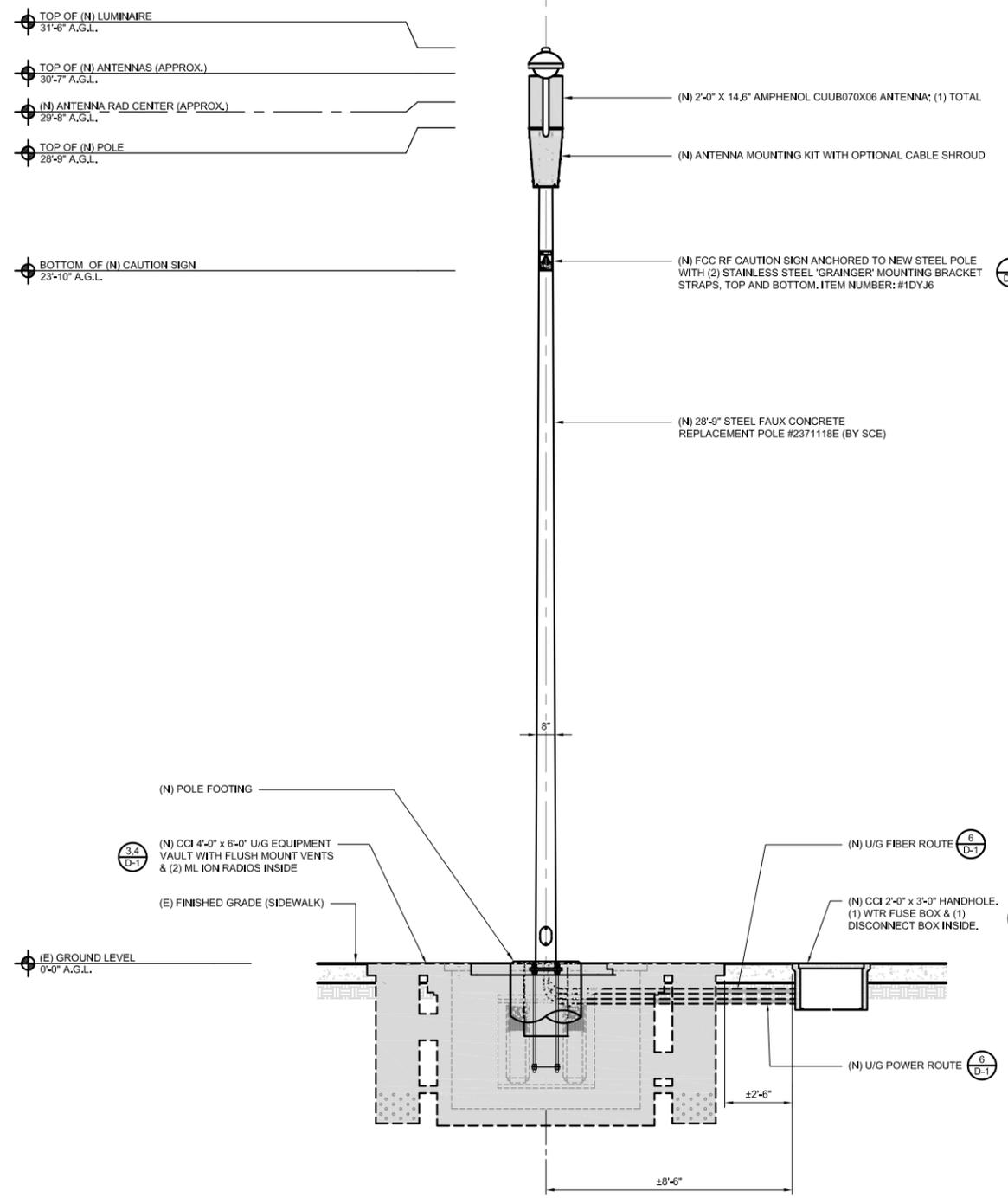
SHEET TITLE  
**GROUNDING DETAILS**

SHEET NUMBER  
**G-1**

- NOTES:
1. TREE AND BUSHES NOT SHOWN FOR CLARITY.
  2. ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITIONS.
  4. NEW ANTENNAS, EQUIPMENT, AND MOUNTING HARDWARE TO BE PAINTED AND TEXTURED TO MATCH POLE.
  5. RESTORE ASPHALT & ALL DISTURBED SURFACES BY NEW CABLE ROUTE PER CITY STANDARDS.



- NOTES:
1. TREE AND BUSHES NOT SHOWN FOR CLARITY.
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IRVINE, CA 92618



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CROWN CASTLE SITE ID:  
CROWN CASTLE NG WEST  
2836 RIDGEGATE DR  
RANCHO PALOS VERDES, CA 92075  
REPLACEMENT CONCRETE POLE

SHEET TITLE  
ALTERNATIVE POLE  
ELEVATION

SHEET NUMBER  
**ALT-1**

EXISTING NORTHWEST ELEVATION

24"x36" SCALE: 3/8" = 1'-0"  
11"x17" SCALE: 3/4" = 1'-0"

NEW NORTHWEST ELEVATION

24"x36" SCALE: 3/8" = 1'-0"  
11"x17" SCALE: 3/4" = 1'-0"



# ASG37

2836 RIDGEGATE DR. RANCHO PALOS VERDES, CA 90275



38 TECHNOLOGY DR., STE. 250,  
IRVINE, CA 92618



1387 CALLE AVANZADO  
SAN CLEMENTE CA 92673 (949) 381-8824

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CROWN CASTLE SITE ID:  
CROWN CASTLE NG WEST  
2836 RIDGEGATE DR  
RANCHO PALOS VERDES, CA 92075  
REPLACEMENT CONCRETE POLE

SHEET TITLE  
**ALTERNATIVE  
PHOTO SIMULATION**

SHEET NUMBER  
**ALT-2**



LOCATION

©2016 Google Maps



EXISTING

LOOKING SOUTHWEST FROM HIGHRIDGE RD



# ASG37

2836 RIDGEGATE DR. RANCHO PALOS VERDES, CA 90275



38 TECHNOLOGY DR., STE. 250,  
IRVINE, CA 92618



1387 CALLE AVANZADO  
SAN CLEMENTE CA 92673 (949) 391-8824

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CROWN CASTLE NG WEST  
2836 RIDGEGATE DR  
RANCHO PALOS VERDES, CA 92075  
REPLACEMENT CONCRETE POLE

SHEET TITLE  
**ALTERNATIVE  
PHOTO SIMULATION**

SHEET NUMBER

**ALT-2**



LOCATION

©2016 Google Maps



PROPOSED

LOOKING SOUTHWEST FROM HIGHRIDGE RD

**General Notes:**

1. All traffic control devices shall conform to the latest edition of the California Manual on Uniform Traffic Control Devices.
2. 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 may be required to ensure the safe movement of vehicular and pedestrian traffic through or around the closure area and provide the maximum protection and safety to workers.
3. 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.
4. Any revisions to the drawings shall be approved in writing by the City of Rancho Palos Verdes Public Works Department Director, or his authorized representative.
5. The City of Rancho Palos Verdes Public Works Department reserves the right to observe the traffic control operations and to make any necessary changes. Any directed changes shall supersede these plans and shall be implemented at the sole expense of the Contractor.
6. The Contractor shall remove temporary delineation, signage, and other devices when no longer required, and shall restore areas to original conditions.
7. The Contractor shall cover existing signs where they conflict with construction detours and signing.
8. Working hours shall be from 9am to 3pm, Monday through Friday, unless otherwise approved by the City. Work is not permitted on weekends or City holidays without prior written consent from the City.
9. The Contractor shall notify the City of Rancho Palos Verdes Public Works Department 48 hours in advance of beginning work at 310-544-5252.
10. Implementation of traffic control shall be performed by a professional temporary traffic control company and flagger control shall be conducted in accordance with the latest edition of the California Manual on Uniform Traffic Control Devices.
11. Temporary No Parking signs shall be installed by the Contractor at least 72 hours in advance of traffic control implementation. Temporary No Parking signs shall be made of weather resistant material and shall be posted so that there is a minimum distance of 3' between the bottom of the sign and the ground surface.
12. The Contractor shall provide for access to all adjacent properties during work hours. Construction operations shall be conducted in such a manner as to cause as little inconvenience as possible to abutting property owners/operators.
13. The Contractor shall provide for safe pedestrian access at all times.
14. The Contractor shall provide flagmen as indicated on the plan, at all times traffic control is in place, to give adequate warning to traffic or to the public of any unexpected conditions to be encountered.
15. All open excavation or construction work shall be a minimum of 5' from any operating traffic lanes.
16. The Contractor shall post uneven pavement signs, and ramp pavement vertical offset of 1 inch or more with asphalt for smooth transition.
17. All signs shall be reflectorized and standard size.
18. All flashing arrow signs shall be solar-powered.
19. All tubular delineators and cones shall be 28" minimum height, reflectorized, and maintained erect in the indicated position at all times, and shall be repaired, replaced, or cleaned as necessary to preserve their appearance and continuity.
20. The Contractor shall maintain, on a continuous basis, all signs, delineators, barricades, etc., to ensure proper flow and safety of traffic during construction.
21. The Contractor shall have all signs, delineators, barricades, etc., properly installed prior to commencing construction.
22. Remove or turn off signs during non-work hours.
23. Metropolitan Transportation Authority (MTA) and Palos Verdes Peninsula Transit Authority (PVPTA) bus stops impacted. Contractor shall notify MTA at (213) 922-4632 and PVPTA at (310) 544-7108 at least 48 hours prior to construction and must be acknowledged by MTA and PVPTA dispatch.
24. When work requires the use of steel plates, they shall be of the non-skid type, recessed to be flush with the pavement surface, pinned to be secured in place, and installed in accordance with Caltrans standards. Advance warning signs shall also be implemented for the entire duration of time the steel plates are in place.
25. Contractor shall notify the Los Angeles County Fire Department (LACFD) at least 72 hours in advance of starting work. The closest fire station to the construction site shall be contacted at the following locations:
  - a. Fire Station 53 on 6124 Palos Verdes Dr. South at (310) 377-3333
  - b. Fire Station 106 on 27413 Indian Peak Rd. at (310) 377-9523
  - c. Fire Station 83 on 83 Miraleste Plaza at (310) 831-4624
 Some areas may be served by more than one fire station. It is the permit applicant's responsibility to notify LACFD when a full street closure occurs.
26. It is the applicant's responsibility to notify the following emergency services at least 72 hours in advance of starting work when a full street closure occurs:
  - a. Mc Cormick Ambulance: dperez@mccormickambulance.com & Mjones@mccormickambulance.com
  - b. Lomita Sheriff Department on 26123 Narbonne Ave., Lomita CA at (310)539-1661

SEAL:

I HEREBY DECLARE THAT I AM THE ENGINEER AND HAVE REVIEWED THIS PROJECT AND IS CONSISTENT WITH CURRENT STANDARDS PER BUSINESS AND PROFESSIONS CODE SECTION 6703.

I UNDERSTAND THAT CITY REVIEW DOES NOT RELIEVE ME OF RESPONSIBILITY FOR THIS PROJECT DESIGN.

**VEHICULAR TRAFFIC CONTROL PLAN**

SCALE: NOT TO SCALE

1



38 TECHNOLOGY DR., STE. 250,  
IRVINE, CA 92618



1387 CALLE AVANZADO  
SAN CLEMENTE CA 95073 (408) 391-9824

MOBILITE ID:

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CHECKED BY:




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PRELIMINARY

SITE ID: ASG37m1

SHEET TITLE  
**GENERAL NOTES**

SHEET NUMBER  
**TC-1**

**NOTES:**

1. CONTRACTOR TO MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES.
2. W20-1 & G20-2 SHALL BE PLACED ON AFFECTED CROSS STREETS ACCORDING TO THE SPEED LIMIT OF THE CROSS STREET.
3. CONTRACTOR SHALL ASSIST PEDESTRIAN TRAFFIC THROUGH WORK AREA.



MOBILITE ID:  
DRAWN BY:  
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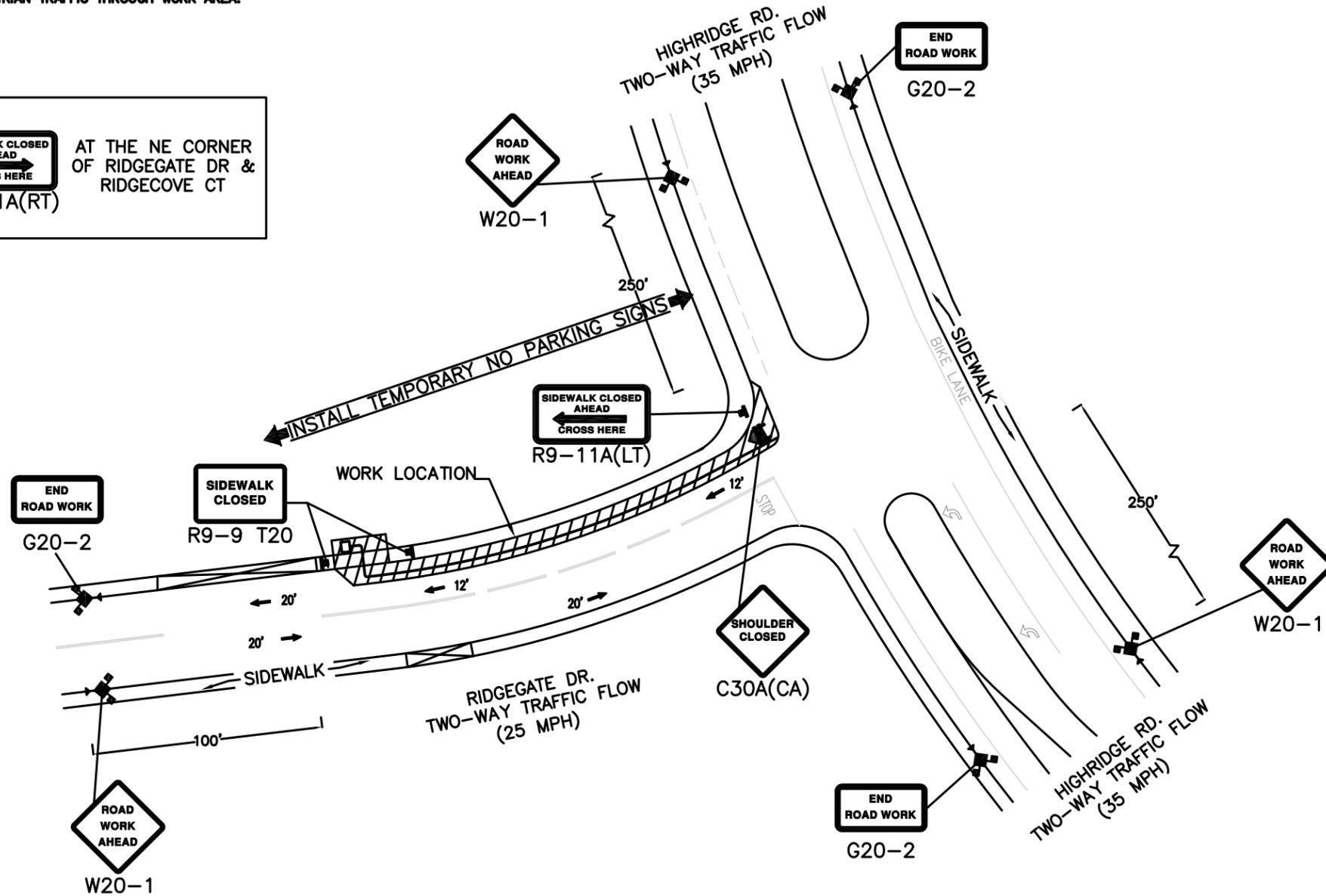
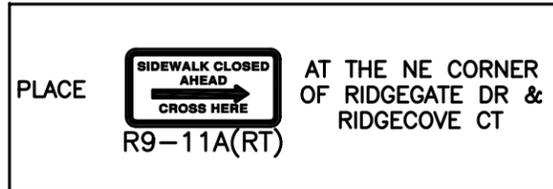

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PRELIMINARY

SITE ID: ASG37m1

SHEET TITLE  
**VEHICULAR TRAFFIC CONTROL PLAN**

SHEET NUMBER  
**TC-2**



SEAL:

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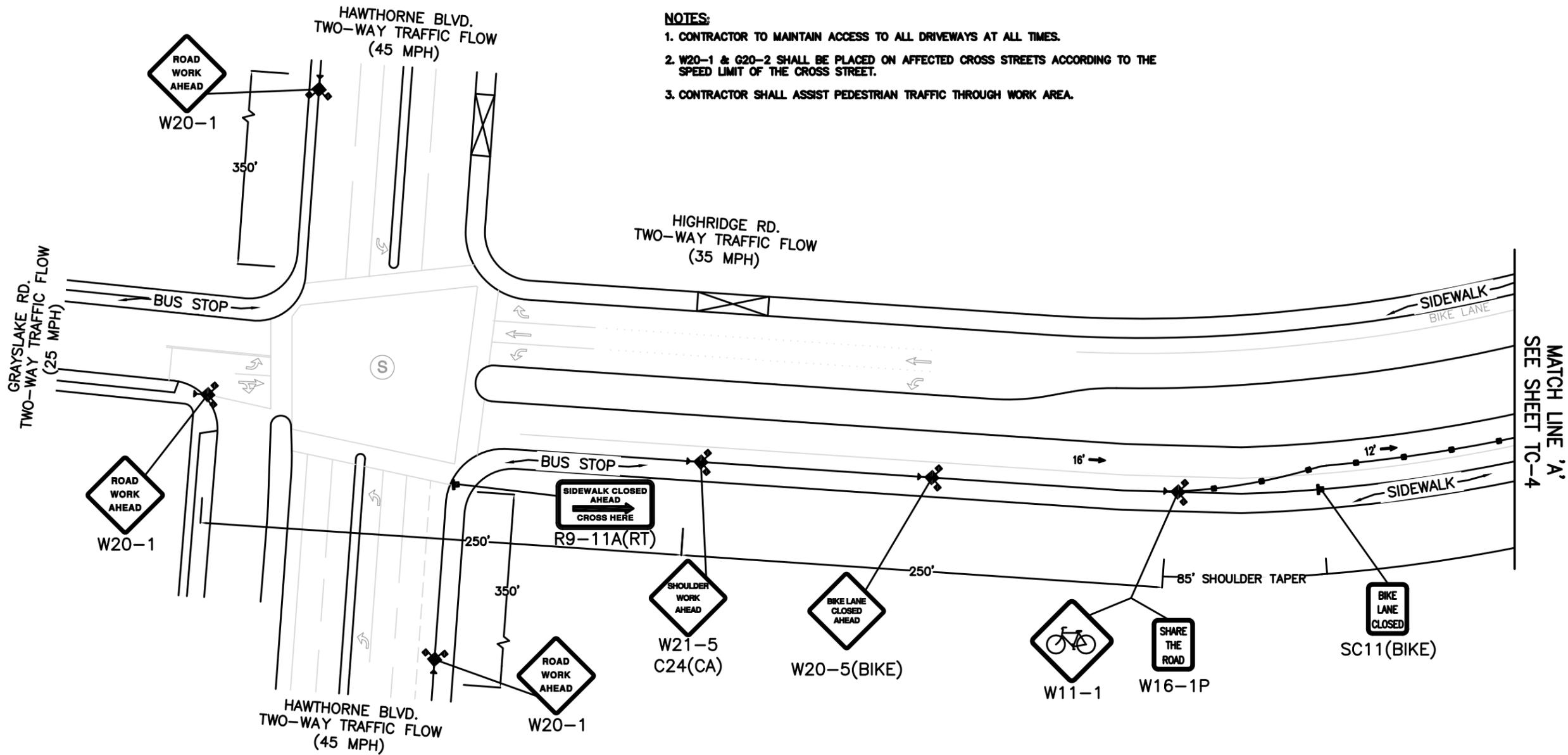
PHASE 1

 - SIGN     - FLAGGER

**VEHICULAR TRAFFIC CONTROL PLAN**

SCALE: NOT TO SCALE

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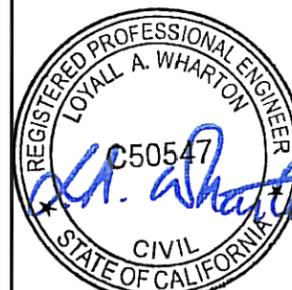


- NOTES:**
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  2. W20-1 & G20-2 SHALL BE PLACED ON AFFECTED CROSS STREETS ACCORDING TO THE SPEED LIMIT OF THE CROSS STREET.
  3. CONTRACTOR SHALL ASSIST PEDESTRIAN TRAFFIC THROUGH WORK AREA.

**CROWN CASTLE**  
 38 TECHNOLOGY DR., STE. 250,  
 IRVINE, CA 92618

**M SQUARED WIRELESS**  
 1387 CALLE AVANZADO  
 SAN CLEMENTE CA 92673 (949) 391-9824

MOBILITE ID:  
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**PRELIMINARY**

SITE ID: ASG37m1

SHEET TITLE  
**VEHICULAR TRAFFIC CONTROL PLAN**

SHEET NUMBER  
**TC-3**

SEAL:

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PHASE 2

■ - SIGN

□ - FLAGGER

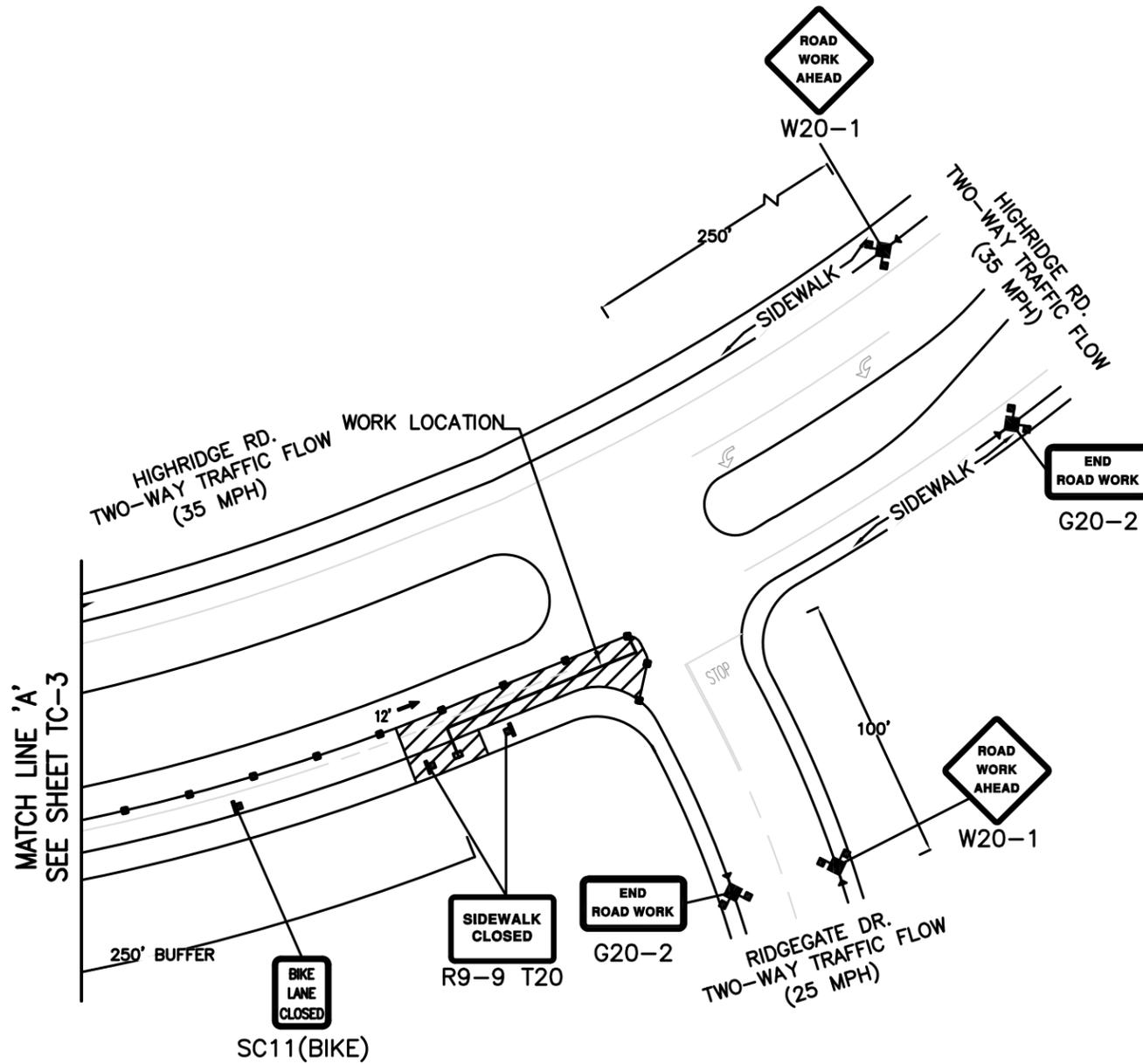
**VEHICULAR TRAFFIC CONTROL PLAN**

SCALE: NOT TO SCALE

1

**NOTES:**

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PHASE 2

■ - SIGN □ - FLAGGER

**VEHICULAR TRAFFIC CONTROL PLAN**

SCALE: NOT TO SCALE

1



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IRVINE, CA 92618



1387 CALLE AVANZADO  
SAN CLEMENTE CA 92673 (949) 391-9824

MOBILITE ID:  
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CHECKED BY:




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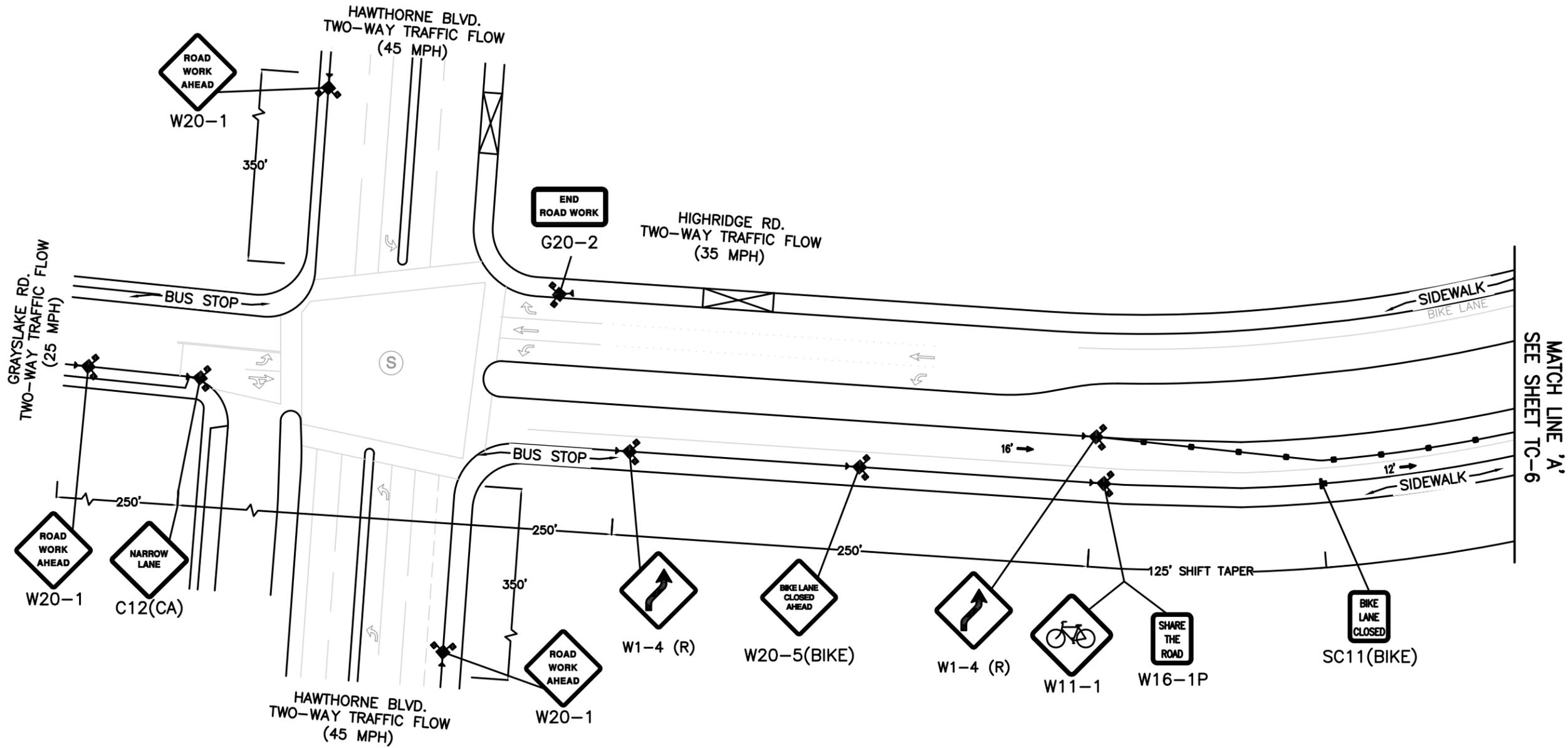
SITE ID: ASG37m1

SHEET TITLE  
**VEHICULAR TRAFFIC CONTROL PLAN**

SHEET NUMBER  
**TC-4**

**NOTES:**

1. CONTRACTOR TO MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES.
2. W20-1 & G20-2 SHALL BE PLACED ON AFFECTED CROSS STREETS ACCORDING TO THE SPEED LIMIT OF THE CROSS STREET.
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**CROWN CASTLE**  
 38 TECHNOLOGY DR., STE. 250,  
 IRVINE, CA 92618

**M SQUARE WIRELESS**  
 1387 CALLE AVANZADO  
 SAN CLEMENTE CA 92673 (949) 391-9824

MOBILITE ID:  
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 CHECKED BY:




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SITE ID: ASG37m1

SHEET TITLE  
**VEHICULAR TRAFFIC CONTROL PLAN**

SHEET NUMBER  
**TC-5**

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PHASE 3

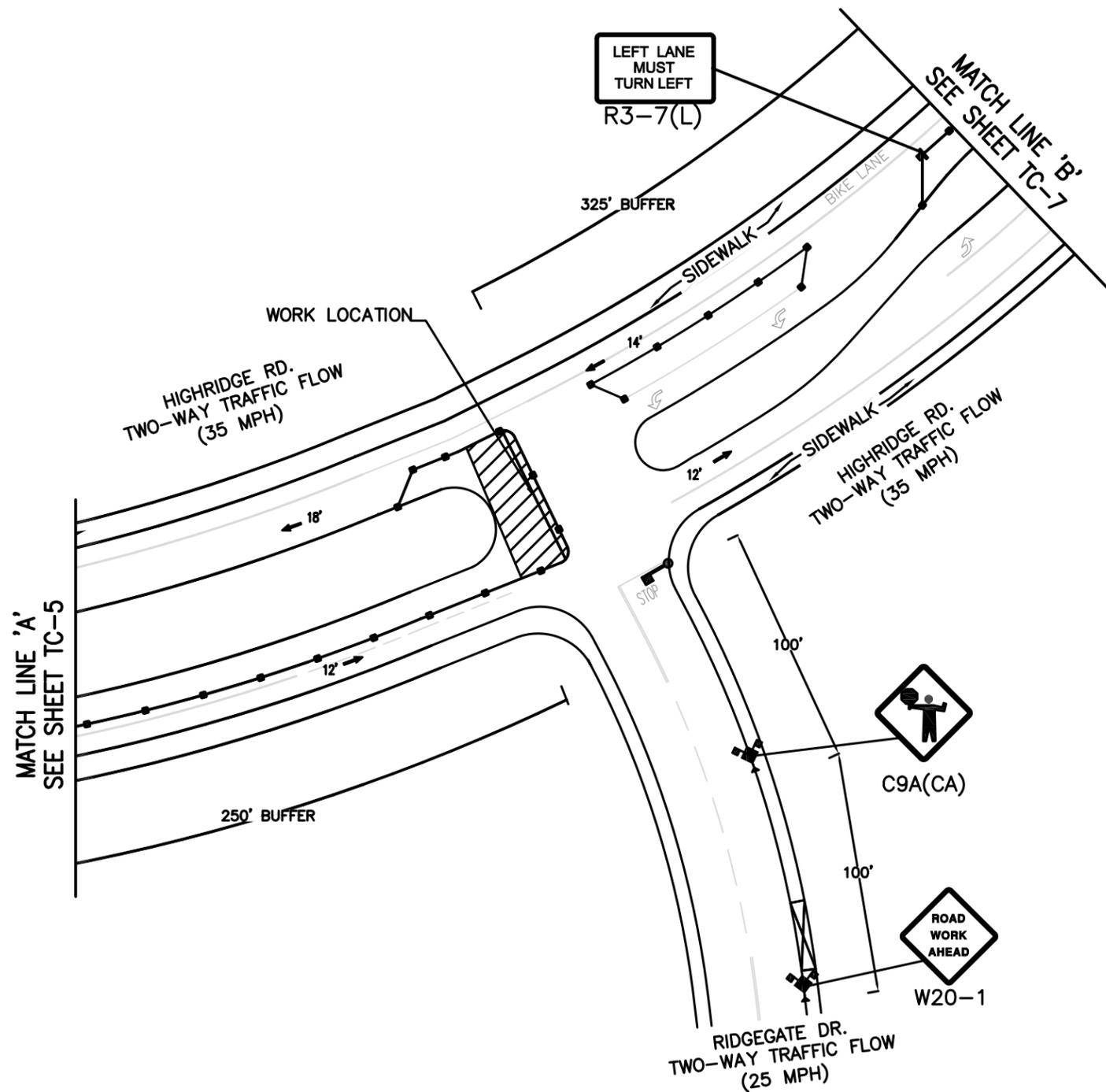
█ - SIGN      □ - FLAGGER

**VEHICULAR TRAFFIC CONTROL PLAN**

SCALE: NOT TO SCALE

**NOTES:**

1. CONTRACTOR TO MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES.
2. W20-1 & G20-2 SHALL BE PLACED ON AFFECTED CROSS STREETS ACCORDING TO THE SPEED LIMIT OF THE CROSS STREET.
3. CONTRACTOR SHALL ASSIST PEDESTRIAN TRAFFIC THROUGH WORK AREA.



SEAL:

I HEREBY DECLARE THAT I AM THE ENGINEER AND HAVE REVIEWED THIS PROJECT AND IS CONSISTENT WITH CURRENT STANDARDS PER BUSINESS AND PROFESSIONS CODE SECTION 6703.

I UNDERSTAND THAT CITY REVIEW DOES NOT RELIEVE ME OF RESPONSIBILITY FOR THIS PROJECT DESIGN.

PHASE 3

■ - SIGN □ - FLAGGER

**VEHICULAR TRAFFIC CONTROL PLAN**

SCALE: NOT TO SCALE

1

**CROWN CASTLE**  
 38 TECHNOLOGY DR., STE. 250,  
 IRVINE, CA 92618

**M SQUARED WIRELESS**  
 1387 CALLE AVANZADO  
 SAN CLEMENTE CA 92673 (949) 391-9824

MOBILITE ID:	
DRAWN BY:	
CHECKED BY:	

REGISTERED PROFESSIONAL ENGINEER  
 LOYALL A. WHARTON  
 C50547  
 CIVIL  
 STATE OF CALIFORNIA

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

PRELIMINARY

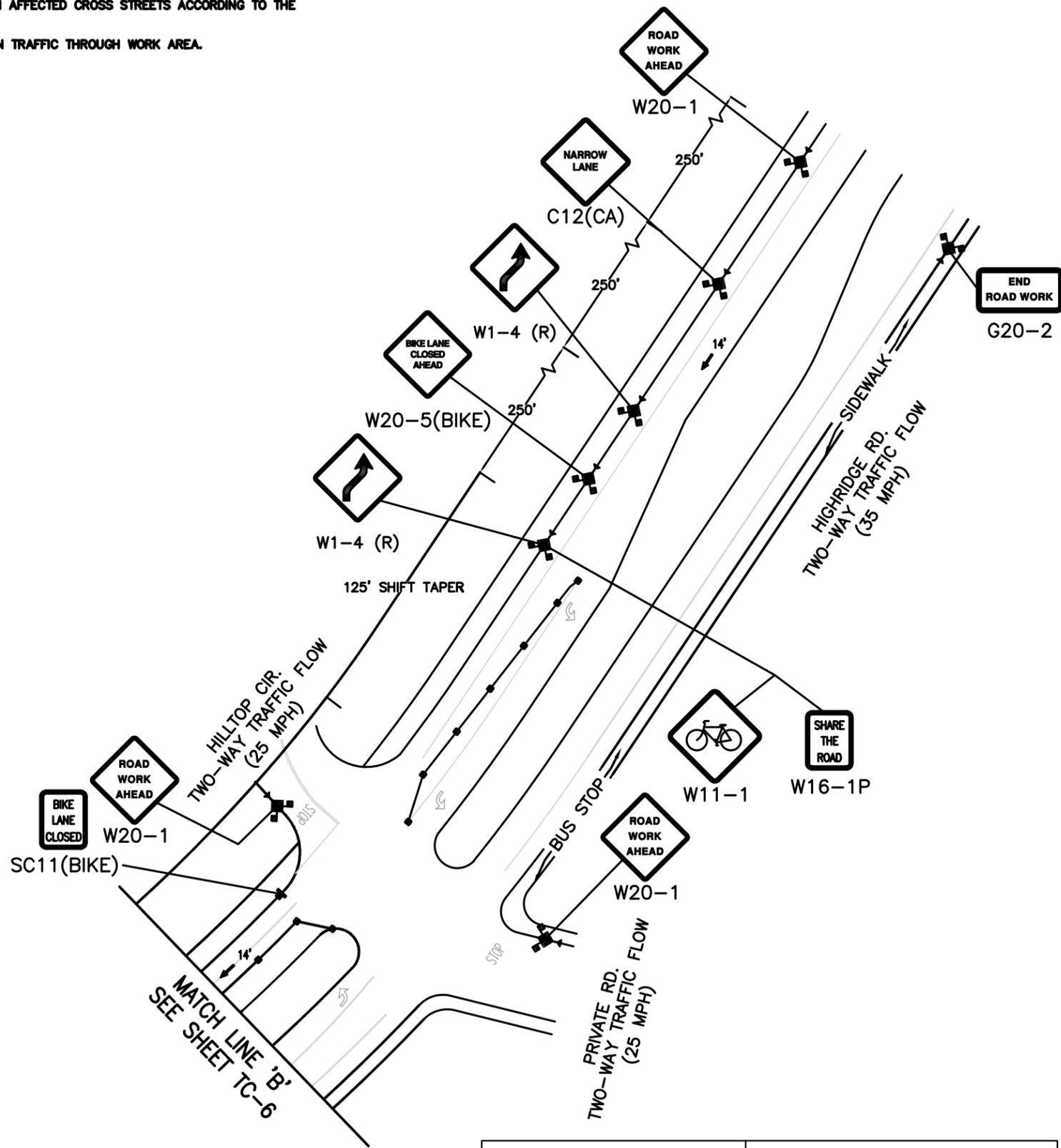
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SHEET TITLE  
**VEHICULAR TRAFFIC CONTROL PLAN**

SHEET NUMBER  
**TC-6**

**NOTES:**

1. CONTRACTOR TO MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES.
2. W20-1 & G20-2 SHALL BE PLACED ON AFFECTED CROSS STREETS ACCORDING TO THE SPEED LIMIT OF THE CROSS STREET.
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PHASE 3

█ - SIGN      □ - FLAGGER

**VEHICULAR TRAFFIC CONTROL PLAN**

SCALE: NOT TO SCALE

1

**CROWN CASTLE**  
 38 TECHNOLOGY DR., STE. 250,  
 IRVINE, CA 92618

**M SQUARE WIRELESS**  
 1387 CALLE AVANZADO  
 SAN CLEMENTE CA 92673 (949) 391-9824

MOBILITE ID:	
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PRELIMINARY

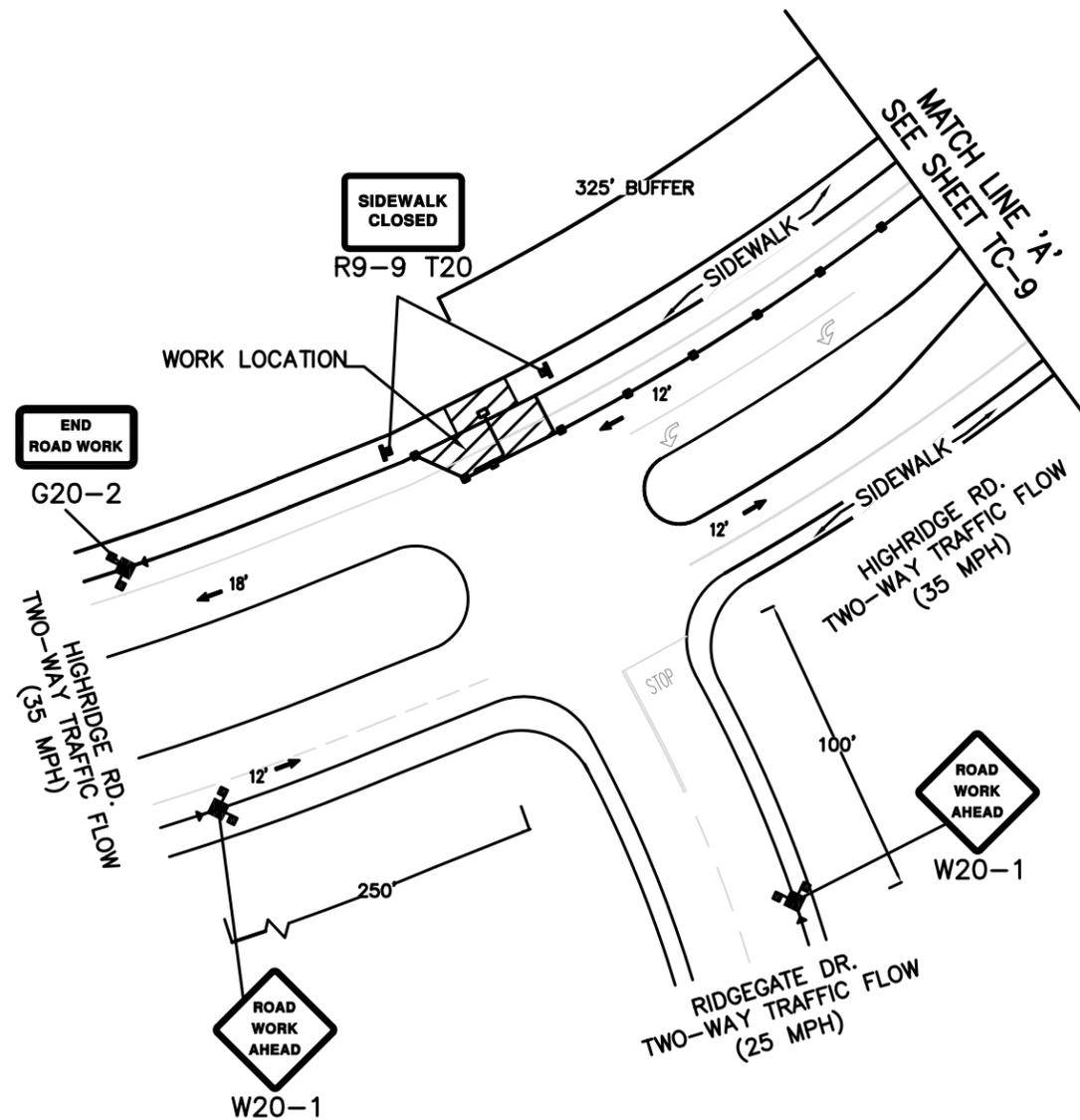
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SHEET TITLE  
**VEHICULAR TRAFFIC CONTROL PLAN**

SHEET NUMBER  
**TC-7**

**NOTES:**

1. CONTRACTOR TO MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES.
2. W20-1 & G20-2 SHALL BE PLACED ON AFFECTED CROSS STREETS ACCORDING TO THE SPEED LIMIT OF THE CROSS STREET.
3. CONTRACTOR SHALL ASSIST PEDESTRIAN TRAFFIC THROUGH WORK AREA.



SEAL:

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PHASE 4

▬ - SIGN

□ - FLAGGER

**VEHICULAR TRAFFIC CONTROL PLAN**

SCALE: NOT TO SCALE

1



38 TECHNOLOGY DR., STE. 250,  
IRVINE, CA 92618



1387 CALLE AVANZADO  
SAN CLEMENTE CA 92673 (949) 391-9824

MOBILITE ID:

DRAWN BY:

CHECKED BY:




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PRELIMINARY

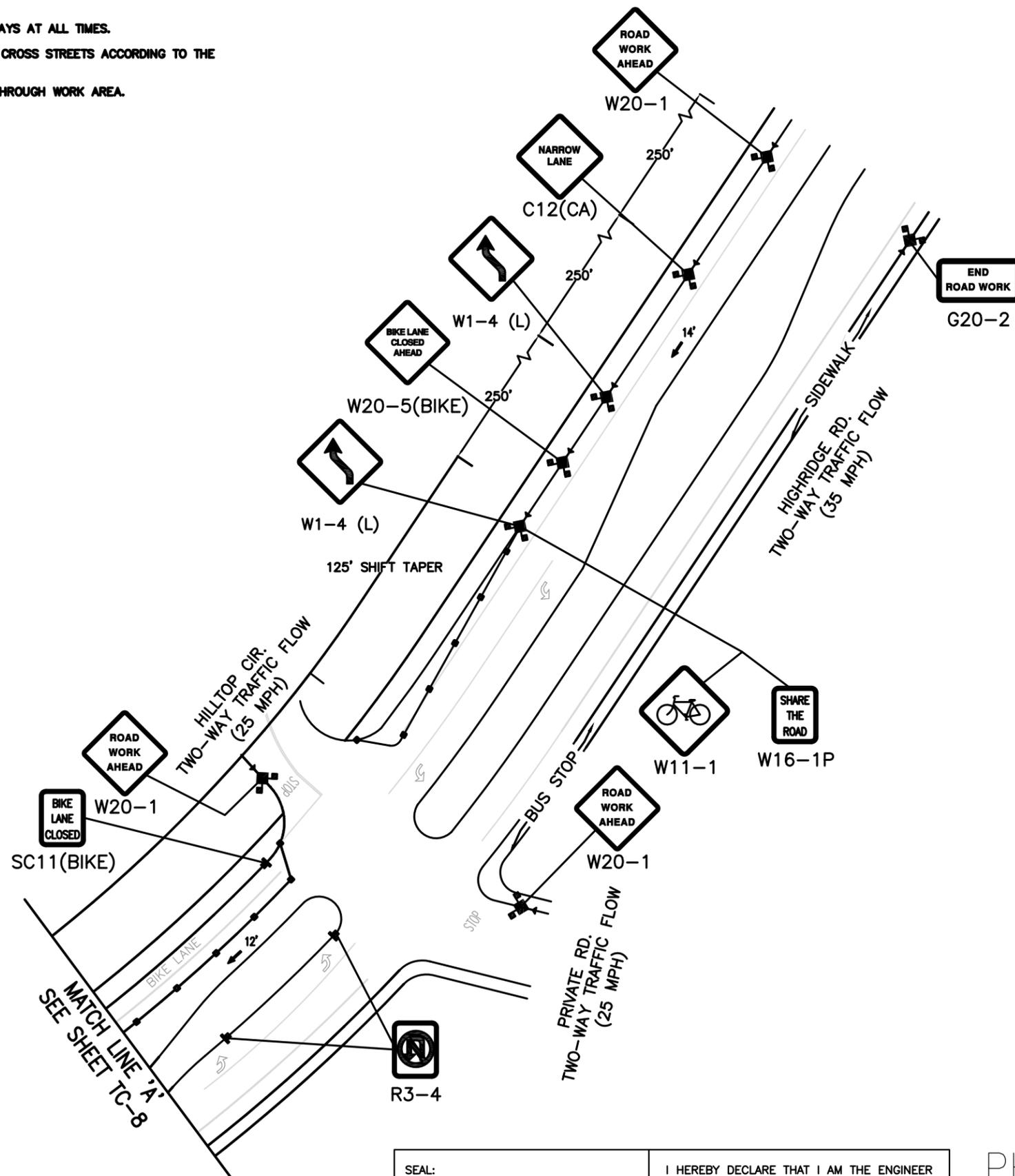
SITE ID: ASG37m1

SHEET TITLE  
**VEHICULAR TRAFFIC CONTROL PLAN**

SHEET NUMBER  
**TC-8**

**NOTES:**

1. CONTRACTOR TO MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES.
2. W20-1 & G20-2 SHALL BE PLACED ON AFFECTED CROSS STREETS ACCORDING TO THE SPEED LIMIT OF THE CROSS STREET.
3. CONTRACTOR SHALL ASSIST PEDESTRIAN TRAFFIC THROUGH WORK AREA.



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PHASE 4

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**VEHICULAR TRAFFIC CONTROL PLAN**

SCALE: NOT TO SCALE

1

**CROWN CASTLE**  
 38 TECHNOLOGY DR., STE. 250,  
 IRVINE, CA 92618

**M SQUARE WIRELESS**  
 1387 CALLE AVANZADO  
 SAN CLEMENTE CA 92673 (949) 391-9824

MOBILITE ID:  
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**PRELIMINARY**

SITE ID: ASG37m1

SHEET TITLE  
**VEHICULAR TRAFFIC CONTROL PLAN**

SHEET NUMBER  
**TC-9**