



# County of San Diego

DEPARTMENT OF PUBLIC WORKS  
TRAFFIC ENGINEERING SECTION

APPLICATION FOR TRAFFIC CONTROL PERMIT --

ATTACHED PLAN (FLAGGING), TCP-4,  
TCP-9 & TCP-54

(type of traffic control: flag, shift, etc.)

DPW2018-RWTCP-00205

County of San Diego  
DPW / Traffic Engineering (MS 0332)  
5510 Overland Ave, Suite 410  
San Diego, CA 92123-1239

telephone/voice mail: (858) 694-3863  
secretary: (858) 694-3850  
fax: (858) 694-3928  
e-mail:

DPWTrafficControl.permit@sdcounty.ca.gov

EXTENTION PREVIOUS PERMITS: DPW2017-RWTCP-01037  
& DPW2017-RWTCP-00229

ENCROACHMENT/EXCAVATION/CONSTRUCTION PERMIT # DPW2017-RWEXCP-71191

### Applicant Information

Company: NV5 / SAN DIEGO GAS & ELECTRIC  
Agent/Applicant: ALBERT DECHICO  
Agent Phone Number: 760-644-8014 Agent Email Address: \_\_\_\_\_  
Agent Mailing Address: 15092 AVENUE OF SCIENCE, SUITE 200  
City: SAN DIEGO State: CA Zip Code: 92128  
Reason for Traffic Control: TO TRENCH FOR PROPOSED TL23071 ELECTRICAL TRANSMISSION LINE (8" AND 2" DUCT BANK)

Start Date: 04/02/2018

Start Time: SEE ATTACHED TC NOTES

Finish Date: 06/29/2018

End Time: SEE ATTACHED TC NOTES

**It is requested that a permit be granted for traffic control on the following street/streets:**

STREET 1 POMERADO RD From Street BEGIN CMR To SAN DIEGO CITY LIMITS  
COMMUNITY SAN DIEGO TB 1209-F6 & G6 Thomas Bros. Map Page and Grid # \_\_\_\_\_

## Signature on Application

(Agent's or Applicant's Signature)

03/12/2018

(Date)

See Attached Plan (s) and Traffic Control Notes

This request is approved.

Director, Department of Public Works

By Joubert Cuadela  
(For Road Commissioner)

04/27/2018  
(Date)

\*TC NOTES MODIFIED TO include DAY HOURS. ON S/M/T/W. SEE NOTES

**POMERADO RD / DPW2018-RWTCP-00205**  
(PREVIOUS PERMITS: DPW2017-RWTCP-01037 & DPW2017-RWTCP-00229)  
FLAGGING AND BIKE LANE CLOSURE  
FOR PROPOSED ELECTRICAL TRANSMISSION LINE  
TRAFFIC CONTROL NOTES  
(\*Notes modified on 05/16/18)

Contractor shall make application to the Traffic Engineering Section of the Department of Public Works (Roads Division, 5510 Overland Ave, Suite 410, Rm 470, San Diego, CA, 92123-1239, Mail Station O332) for a traffic control permit, a minimum of three (3) weeks prior to commencement of work. There is no fee for this permit.

The closure of **Pomerado Rd** will not be permitted unless prior approval by the County Traffic Engineer.

**NIGHT HOURS:**

**Work hours shall be from 10:00 PM to 5:00 AM, Monday thru Thursday.**

**Work hours shall be from 12:00 AM to 5:00 AM, Friday.**

**Work hours shall be from 10:00 PM to 12:00 AM, Sunday.**

**OR**

**DAY HOURS:**

**\*Work hours shall be from 8:30 AM to 3:30 PM, Monday thru Friday**



**(NIGHT HOURS AND DAY HOURS SHALL NOT BE CONCURRENTLY.)**

The Contractor will not be allowed to work during peak hours on roads that carry commuter traffic on the Mobility Element Roads per County of San Diego General Plan.

Traffic control shall be in accordance with the **attached plans and 2015 San Diego Regional Standard Drawings TCP-4, TCP-9 and TCP-54**. The Contractor shall maintain 12' minimum travel lanes (14' minimum travel lanes where bike lanes exist) at all times.

No road closures, detours or striping changes will be allowed to start on a Friday, unless otherwise noted and approved by the County Traffic Engineer.

The Contractor shall be responsible for coordinating with any Special Events that will be affected in the area of the impending work.

The Contractor shall anticipate shorter work hours where work zone is within one half mile radius from a school. Due to peak volumes of pedestrian and vehicular traffic associated with schools, the Contractor shall be required to delay the start of construction operations until a minimum one hour after school is in session and complete construction operations a minimum one hour before school is out of session, at the discretion of the County Engineer. Contractor shall contact school at least 2 working days before work begins to identify potential conflict hours within the approved work hours.

The Contractor shall be responsible for coordinating with other traffic control work zones, unless approved by County Inspector. The Contractor shall maintain 500' between beginning and end of work zone signage.

If unable to utilize an alternate one-way flagging operation, Contractor shall contact Department of Public Works, Roads Division at (858) 694-3850 three (3) weeks prior to the proposed closure to determine its appropriateness. If a road closure is deemed appropriate, proper advanced notification (information signs, mailed and verbal notifications) is necessary to the emergency services, police services, businesses, residents and school districts.

The Contractor shall minimize the active construction zone to 250' to 500' unless approved by County Inspector.

The Contractor shall maintain maximum closure length based on work that can be completed at the end of the work day.

During non-working hours, the Contractor shall provide the full road width, which existed prior to the start of construction.

When the work zone is confined to the road shoulder with minimal or no road encroachment, refer to Chapter 6H "Typical Applications" of the "California Manual on Uniform Traffic Control Devices" (CA MUTCD), latest edition.

#### NOTIFICATION

Permittee agrees to indemnify, hold harmless and defend the County and each of its officers and employees from any liability or responsibility for accident, loss or damaged to persons or property arising by reason of the work done by permittee, or permittee's agents, employees or representatives.

Whenever construction activity will disrupt or impede access to any residence/business, the contractor shall inform each affected residence/business by written notice the nature and expected duration of the disruptive construction activity. Such written notice shall be delivered to each affected residence/business a minimum of five (5) days prior to the start of the disruptive construction activity.

Contractor shall coordinate with County Traffic Signal Coordinator 72 hours work days prior to start of work at (619) 701-1905 or (858) 935-5705 or (858) 694-3850. To identify location of signal detector loops and, if appropriate, to set the traffic signal on flashing red or modify signal timing prior to the start of work and to reset upon completion of work. Contractor shall provide signage for signal modification.

#### SIGNING

All signs shall conform to the specification set forth in the latest edition of Part 6, "Temporary Traffic Control" of the "California Manual on Uniform Traffic Control Devices for Streets and Highways" (CA MUTCD), latest edition.

The Contractor shall place "Tow-Away/No Parking" signs along the street 24 hours prior to the impending work. "Tow-Away/No Parking" signs shall be furnished by the Contractor and shall contain a space in which the contractor shall enter the day(s) during which parking will be prohibited. Contractor shall remove these signs immediately when they are no longer needed for use in the respective area of the project. If work is delayed or rescheduled for any reason after placement of "Tow-Away/No Parking" signs, sign(s) shall be removed and re-dated signs shall be installed two (2) days in advance of the impending work.

All signs shall be in place prior to start of construction.

All advance warning signs shall be 48" x 48".

All other signs shall be standard size unless otherwise noted.

For continuous work lasting more than two weeks, all W20-1 or C23, and curve warning signs shall be mounted on 4"x 4" wooden posts at standard height and equipped with type "B" high-intensity flashers, unless otherwise noted.

For work of less than two weeks, all W20-1 signs can be either post-mounted on 4" x 4" wooden posts at standard height or on a portable type installation.

Post-mounted signs shall remain in place at all times until construction is completed. Other signs required for traffic control shall be laid down or covered during non-working hours.

All other signs may be mounted on a portable type installation as per Section 12-3.06B of Caltrans Standard Specifications unless otherwise noted.

All bike lane signs within work area shall be covered during working hours. Contractor shall use "BIKE LANE CLOSED" signs when working on roads that have designated bike lanes and remove the "BIKE LANE CLOSED" signs within the work area during non-working hours.

All advance-warning signs for night closures shall be illuminated.

Placement of all signs shall not interfere with sight distance at driveways and intersections.

Position of post-mounted signs may be adjusted as necessary to optimize visibility or sign and/or obtain suitable placement area.

W20-1 signs and all other yellow or orange signs shall have a reflective background constructed of at least high-intensity (Type III) retroreflective sheeting.

All signs shall be equipped with orange flags (or folded signs or with flashers) on roads posted 50 MPH or higher.

### STRIPING

Contractor shall layout and stripe all interim and final striping.

Contractor shall install all interim and final pavement markers, temporary tabs, and channelizers.

All striping changes shall be the responsibility of the Contractor. Striping modifications (due to construction), which exceed one (1) week in duration, require sandblasting. All sandblasting required by said striping changes shall be completed within 24 hours of that change.

All obliterated striping, raised pavement markers, pavement paint legends and markings, shall be reflectorized and replaced by the Contractor. Markings in thermoplastic shall be replaced in kind.

### TRAFFIC SIGNAL LOOP DETECTORS

Signal equipment, such as loop detectors, damaged by the Contractor shall be replaced by the Contractor within 48 hours from time of damage.

### DEVICES

Actual work area shall be protected with either orange reflectorized channelizing devices or by barricades equipped with type "A" flashers sufficient in number to prevent entry of both vehicles and pedestrians except as may be noted elsewhere. At no time shall a continuous row of flashers be used adjacent to a lane of traffic. Only steady-burn type "C" lamps shall be used under these circumstances.

All cones and/or post delineators shall be fitted with reflective sleeves of the appropriate color.

If used, all type "B" flashers shall operate 24 hours a day.

### FLAGGING

Flagging operation shall use alternate one-way movement to pass traffic through the construction area.

Traffic shall be controlled at all times by flaggers. Flaggers shall be in constant communication with each other during the flagging operation. Advance flaggers shall be positioned upstream to warn traffic when queues develop. Additional flaggers may be required at intersections.

Where the one-lane section is short enough so that each end is visible from the other end, traffic will be controlled by means of a flagger at each end of the section. They should be able to communicate with each other verbally or by means of signals. These signals should not be such as to be mistaken for flagging signals. Where the end of one-way section is not visible from the other end, the flaggers shall maintain contact by means of radio or field telephones so that a flagger may know when to allow traffic to proceed into the section.

Flaggers shall be positioned near crest of hill allowing flaggers sufficient visibility of approaching traffic.

Flaggers shall be positioned so that they are easily visible to approaching traffic.

Where a one-lane temporary traffic control zone is short enough to allow visibility from one end to the other, traffic may be controlled by a single flagger. When a single flagger is used, the flagger

shall be stationed on the shoulder opposite the obstruction or work space, or in a position where good visibility and traffic control can be maintained at all times.

### ACCESS

Emergency vehicle access shall be maintained at all times.

Mail service, trash service, and school bus access shall be maintained at all times.

Motorist delay time shall not exceed 15 minutes unless otherwise approved by the County Traffic Engineer.

Contractor shall maintain access to all private driveways within the construction area. If continuous access cannot be maintained, access must be provided as needed. Adequate provisions shall be made for pedestrian traffic.

Adequate sight distance shall be maintained at all intersections in the vicinity of the work zone. If sight distance is affected by the traffic control, the contractor shall provide adequate distance per the County of San Diego Public Road Standards. The use of mirrors, or such devices, is not acceptable as an alternative to providing adequate sight distance.

### GENERAL

The Contractor shall be responsible for supplying, installing and maintaining all traffic control devices as shown on the plan along with additional traffic control devices that may be required to ensure safe movement of traffic and pedestrians through work area.

The provisions of this section may be modified or altered if, in the opinion of the engineer, public traffic will be better served and the work expedited. Said modifications or alterations shall not be adopted until approved in writing by the engineer.

Any open trenches within the construction area shall be adequately protected with barricades, k-rails, and/or spoil piles to prevent entry of vehicles and pedestrians.

All trenches shall be back-filled and paved or plate-bridged overnight. All temporary steel plate bridging shall have non-skid surfaces. Non-skid surfaces on the temporary steel plate bridging as well as the method of installing the temporary steel plate bridging and shoring shall be as specified in Section 602.1, "Temporary Steel Plate Bridging -- With a Non-Skid Surface" of the most current Caltrans Encroachment Manual. Unless approved by the County Inspector, use of steel plate bridging shall not exceed 24 hours. At the end of every work day, steel plate bridging shall not exceed 50 feet in length, unless approved by the County Inspector. Steel plates shall have AC ramps on all edges. Open trenches are not allowed during non-working hours.

All dirt and debris shall be removed from the roadway each day before completion of work. Street must be maintained in drivable condition at all times. Contractor shall not use the County right of way for storage of materials and equipment.

All advance warning signs, delineators, and barricades shall be removed from the roadway at the end of work each day (except W20-1 signs, if plate-bridging overnight.)

The Contractor is to replace roadway and all signing to normal conditions at the completion of work.

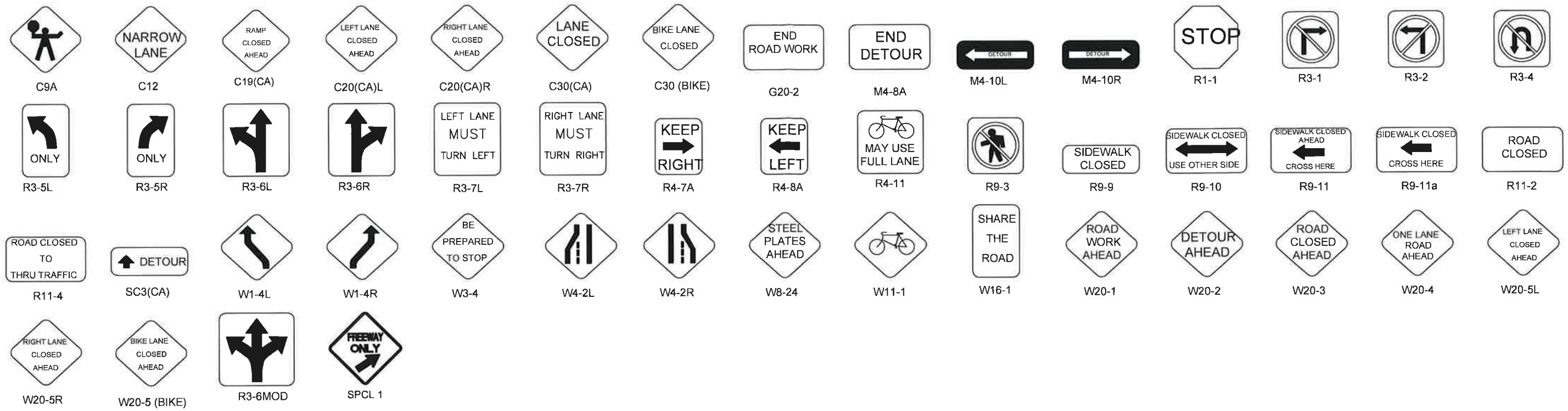
The Contractor shall coordinate traffic operations with adjacent Municipalities, San Diego Metropolitan Transit System (MTS) Operations Department (please note: MTS requests require two weeks prior notice for discontinuation of a bus stop or detours to service), private road owners and/or Home Owner Associations (HOA).

Unless the work is specifically requested by the Engineer, or is Emergency in nature, no work will be performed on the following County observed holidays:

Martin Luther King Jr. Day  
Veterans Day  
President's Day  
Thanksgiving Day  
Day after Thanksgiving  
Cesar Chavez Day

Memorial Day  
Christmas Day  
Independence Day  
New Year's Day  
Labor Day

**SIGN LEGEND**



APPROACH SPEED (MPH)	MINIMUM DISTANCE (FEET) BETWEEN SIGNS AND FROM LAST SIGN TO TAPER	MINIMUM TAPER LENGTHS (L) (FEET) FOR 12-FOOT LANE			BUFFER LENGTH (FEET)	MAX CONE SPACING		
		L	1/2L	1/3L		TAPER	TANGENT	CONFLICT
25	100	125	65	45	155	25	50	12
30	250	180	90	60	200	30	60	15
35	250	245	125	85	250	35	70	17
40	250	320	160	110	305	40	80	20
45	500	540	270	180	360	45	90	22
50	500	600	300	200	425	50	100	25
55+	500	660	330	220	495	55	110	27

**LEGEND**

- APPROXIMATE POTHOLE LOCATION
- SIGN
- TRAFFIC CONES / DELINEATOR
- BARRICADE
- FLAGGER
- FLASHING ARROW SIGN
- WORK ZONE
- CONSTRUCTION VEHICLE
- BUS STOP

UTILITY SURVEYORS, INC.  
  
**Gail McMorran**  
 President  
 2534 EAST EL NORTE PARKWAY, SUITE C  
 ESCONDIDO, CA 92027  
 PHONE: (760) 480-2347  
 CELL: (760) 419-3738

**PROJECT NAME:** TL23071 – Sycamore Canyon Substation To Penasquitos Substation – 230 KV Underground

AIRX JOB#: X160218

THOMAS GRID#: 1209–F6

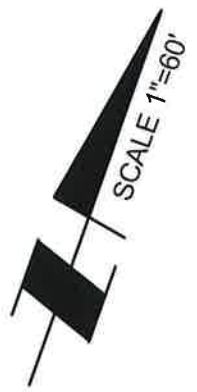
TYPE OF WORK: TRENCHING / CONDUIT

DRAWN FOR: SAN DIEGO COUNTY

MISC/POTHOLES#:

DATE: 4/27/2018  
 DESIGNED BY:  
 Clint Jones

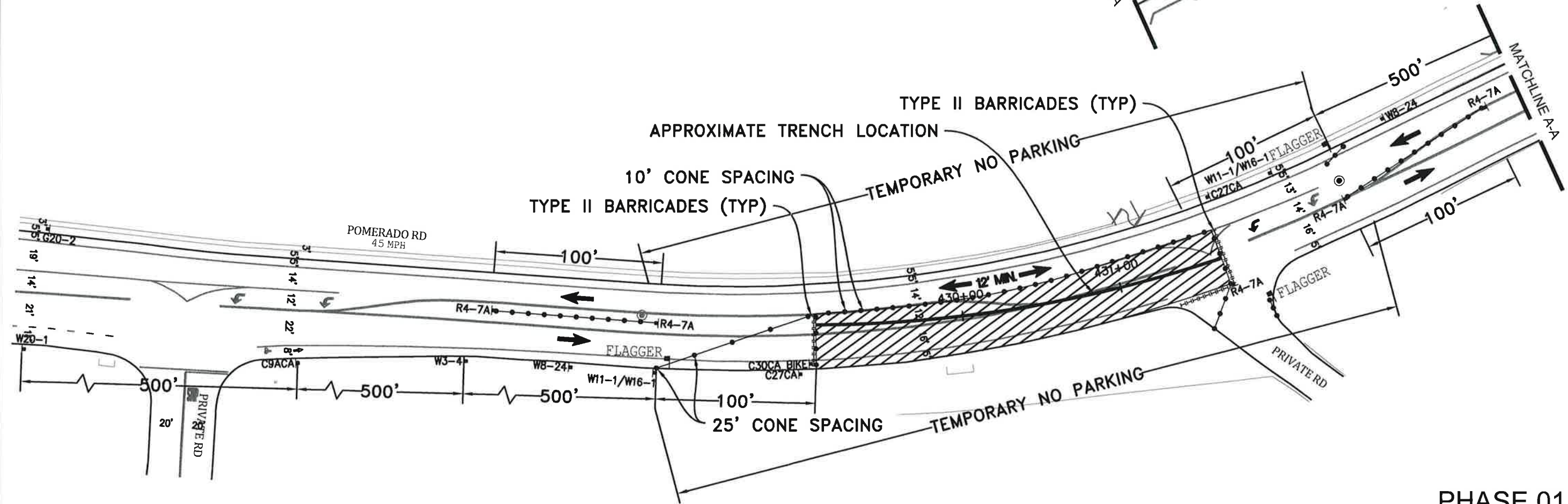
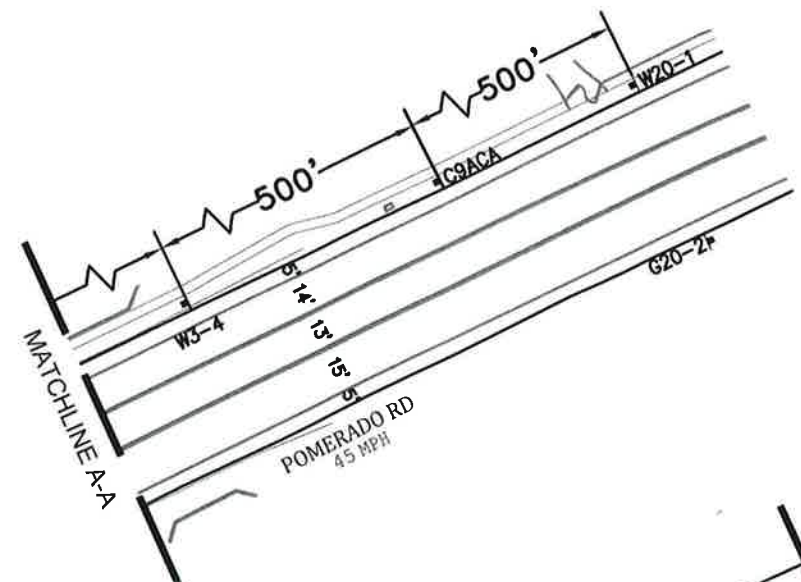




NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

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NOTE: STEEL PLATE BRIDGING SHALL NOT EXCEED 24 HR AND 50 FEET IN LENGTH IN THE WORK ZONE

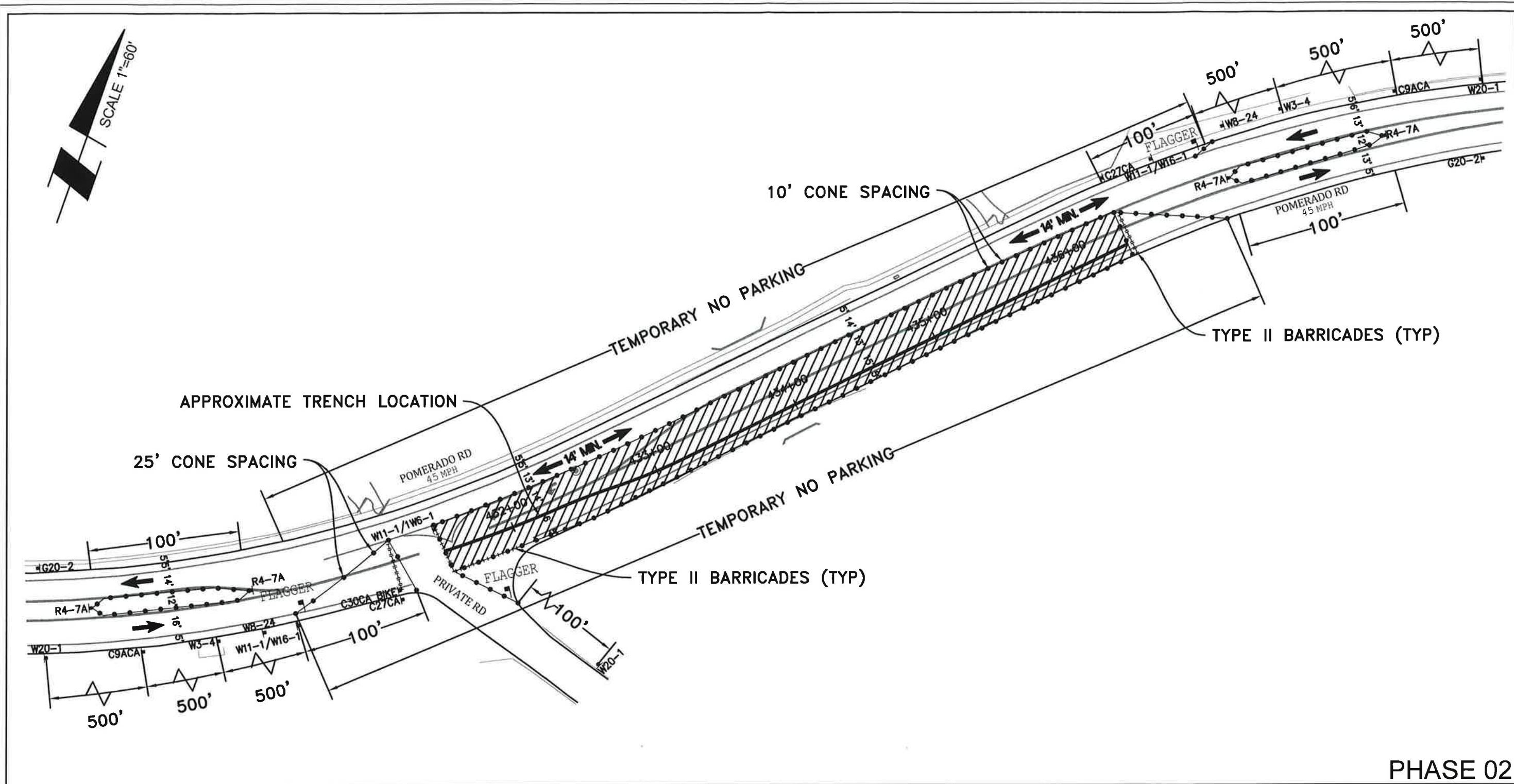
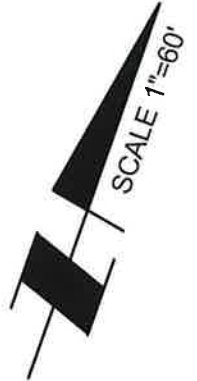


PHASE 01

UTILITY SURVEYORS, INC.  
**AIRX**  
 Gail McMorran  
 President  
 2534 EAST EL NORTE PARKWAY, SUITE C  
 ESCONDIDO, CA 92027  
 PHONE: (760) 480-2347  
 CELL: (760) 419-3738

PROJECT NAME: TL23071 – Sycamore Canyon Substation To Penasquitos Substation – 230 KV Underground	
AIRX JOB#: X160218	THOMAS GRID#: 1209-F6
TYPE OF WORK: TRENCHING / CONDUIT	DRAWN FOR: SAN DIEGO COUNTY
MISC/POTHOLE#:	

DATE: 4/27/2018  
 DESIGNED BY:  
 Clint Jones  
 SHEET 2 OF 10



PHASE 02

UTILITY SURVEYORS, INC.



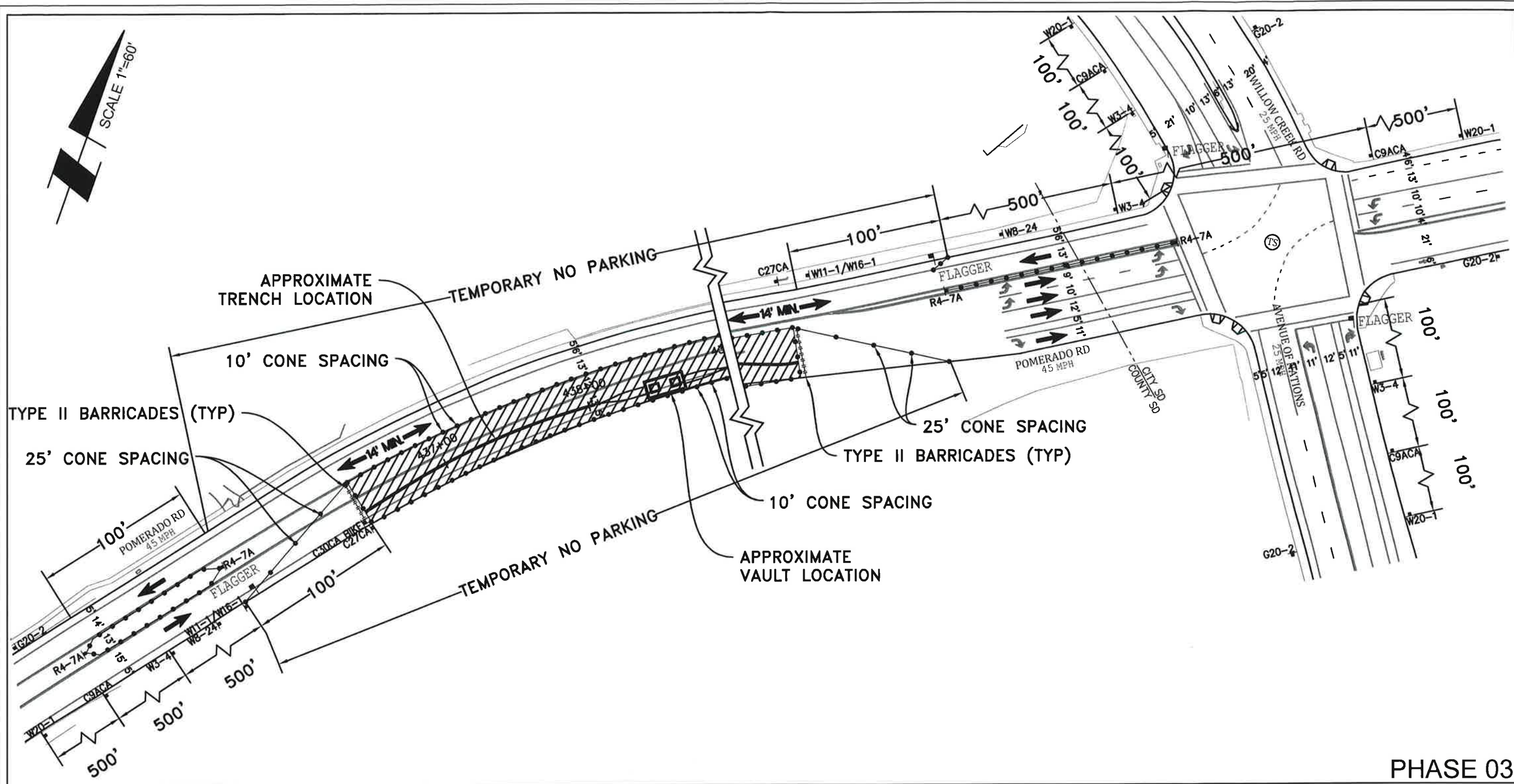
**Gail McMorran**  
President

2534 EAST EL NORTE PARKWAY, SUITE C  
ESCONDIDO, CA 92027  
PHONE: (760) 480-2347  
CELL: (760) 419-3738

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DATE: 4/27/2018
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<b>SHEET 3 OF 10</b>





PHASE 03

UTILITY SURVEYORS, INC.



**Gail McMorran**  
President

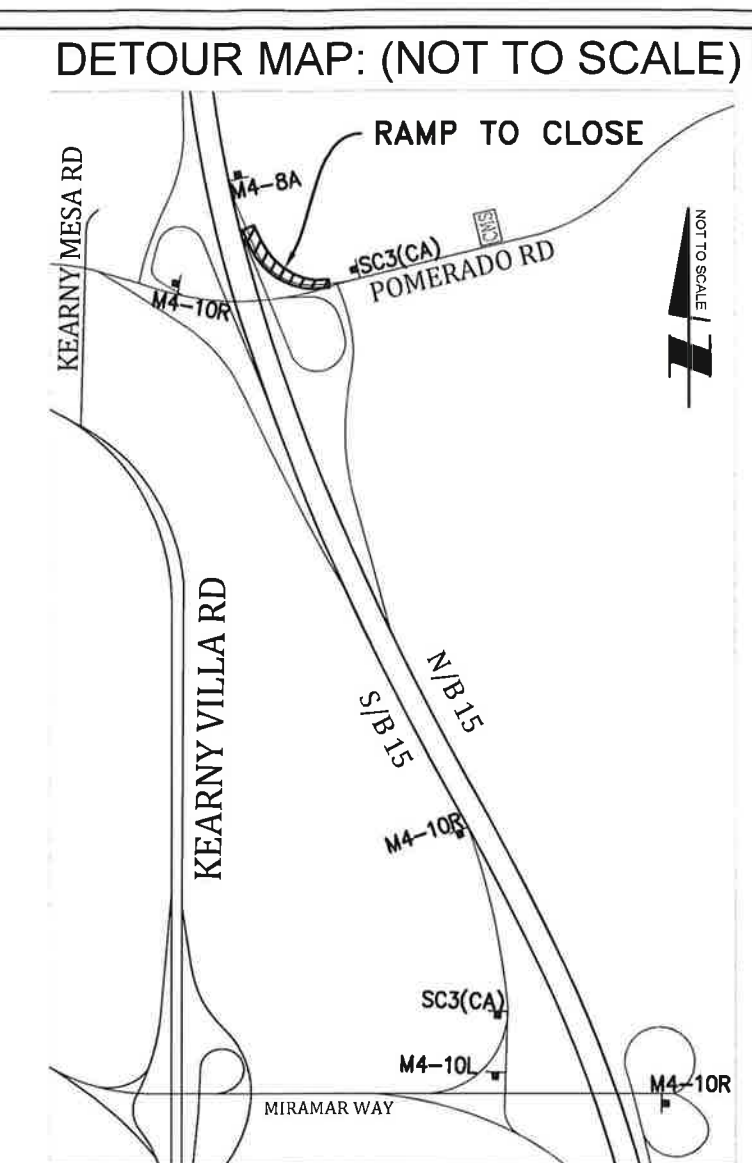
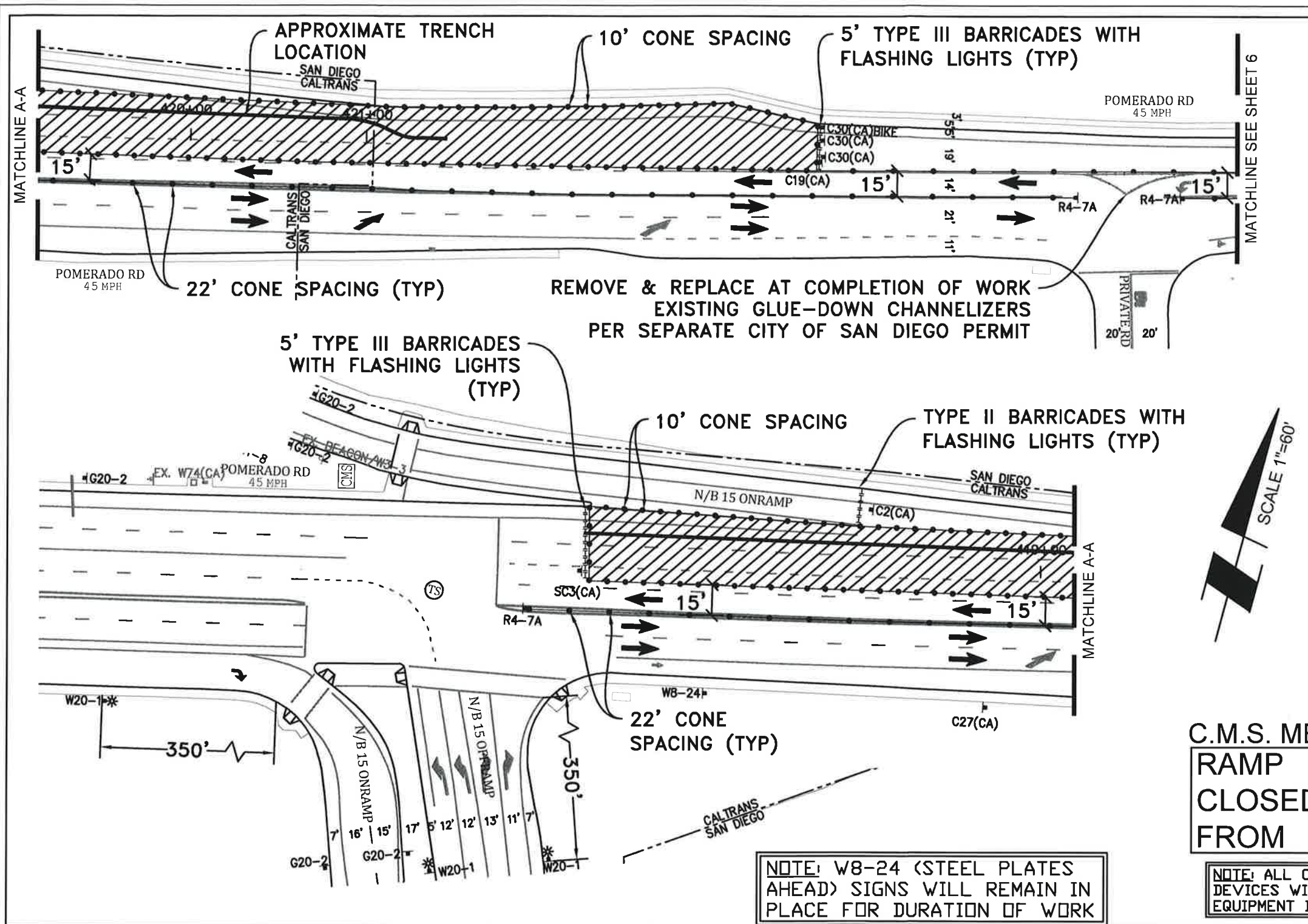
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Clint Jones

**SHEET 4 OF 10**





C.M.S. MESSAGE

RAMP CLOSED FROM	DATE TO DATE 9PM-5AM	DETOUR MIRAMAR WAY
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NOTE: ALL CONFLICTING MARKERS AND DEVICES WILL BE REMOVED WHEN EQUIPMENT IS NOT IN USE

PHASE 04

UTILITY SURVEYORS, INC.

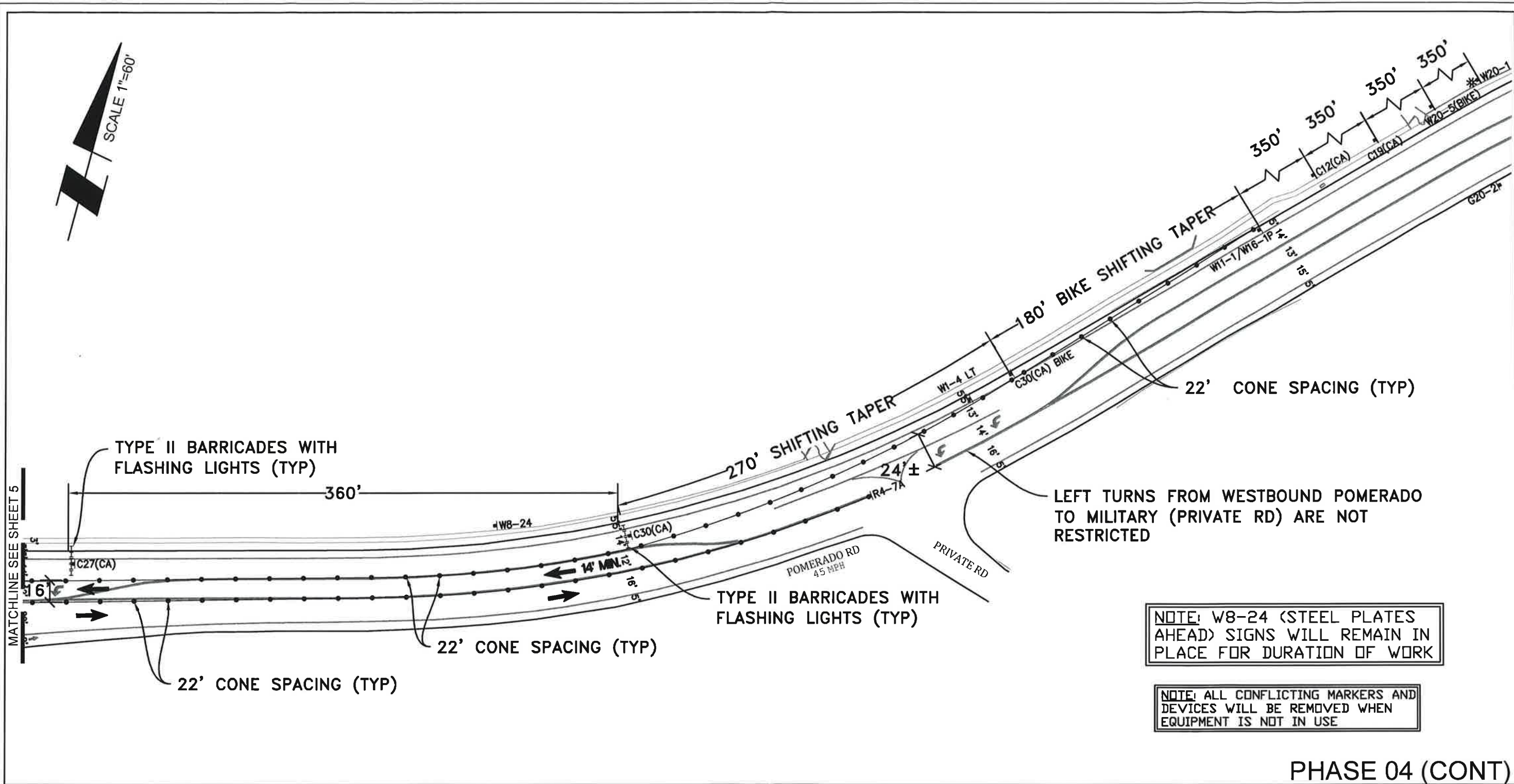
**AIRX**

Gail McMorran  
President

2534 EAST EL NORTE PARKWAY, SUITE C  
ESCONDIDO, CA 92027  
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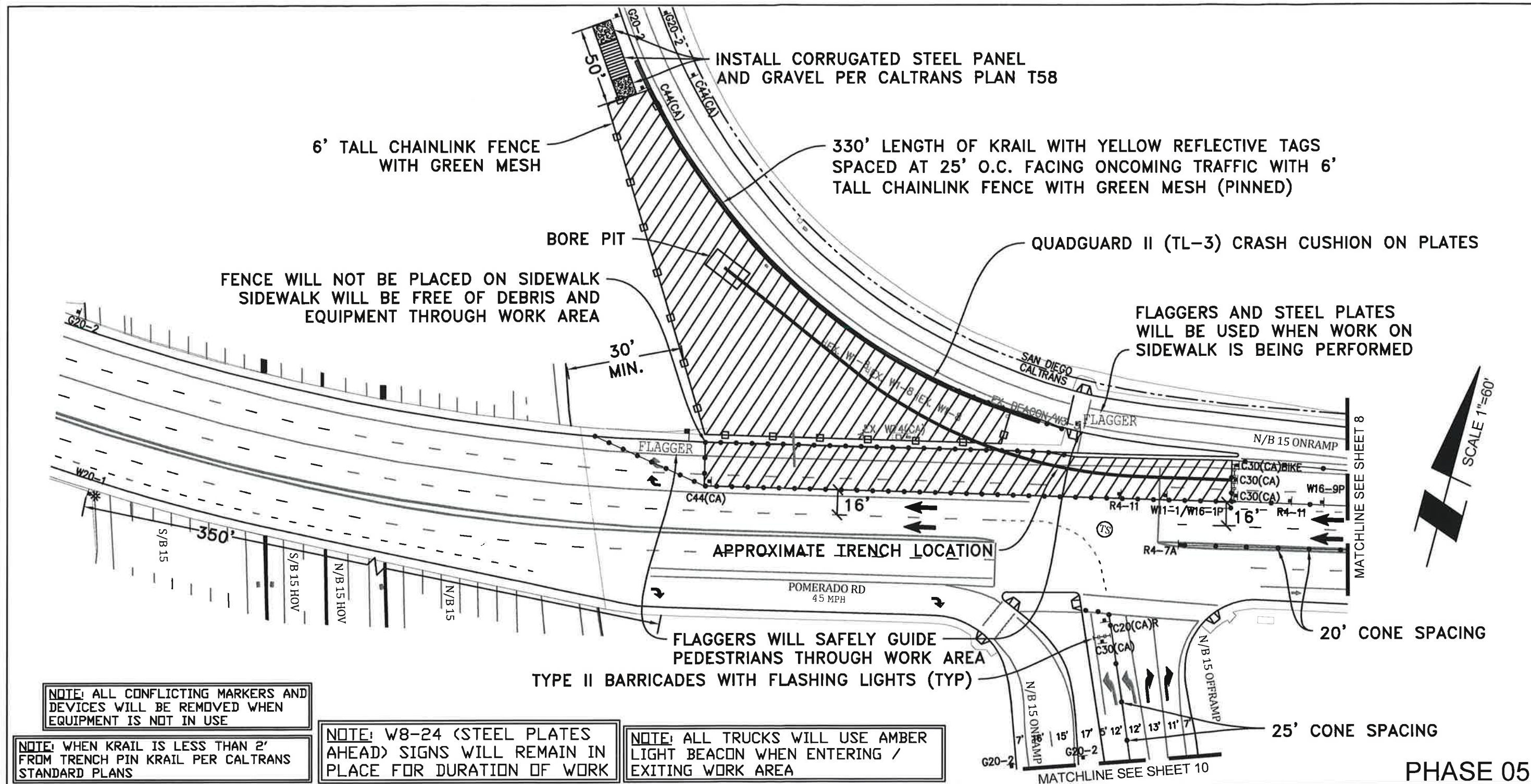
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<b>SHEET 5 OF 10</b>



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<b>SHEET 6 OF 10</b>





6' TALL CHAINLINK FENCE WITH GREEN MESH

INSTALL CORRUGATED STEEL PANEL AND GRAVEL PER CALTRANS PLAN T58

330' LENGTH OF KRAIL WITH YELLOW REFLECTIVE TAGS SPACED AT 25' O.C. FACING ONCOMING TRAFFIC WITH 6' TALL CHAINLINK FENCE WITH GREEN MESH (PINNED)

BORE PIT

QUADGUARD II (TL-3) CRASH CUSHION ON PLATES

FENCE WILL NOT BE PLACED ON SIDEWALK SIDEWALK WILL BE FREE OF DEBRIS AND EQUIPMENT THROUGH WORK AREA

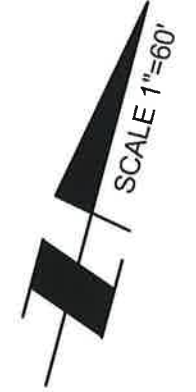
FLAGGERS AND STEEL PLATES WILL BE USED WHEN WORK ON SIDEWALK IS BEING PERFORMED

30' MIN.

FLAGGER

FLAGGER

MATCHLINE SEE SHEET 8



APPROXIMATE TRENCH LOCATION

POMERADO RD 45 MPH

FLAGGERS WILL SAFELY GUIDE PEDESTRIANS THROUGH WORK AREA

TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)

20' CONE SPACING

25' CONE SPACING

NOTE: ALL CONFLICTING MARKERS AND DEVICES WILL BE REMOVED WHEN EQUIPMENT IS NOT IN USE

NOTE: WHEN KRAIL IS LESS THAN 2' FROM TRENCH PIN KRAIL PER CALTRANS STANDARD PLANS

NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

NOTE: ALL TRUCKS WILL USE AMBER LIGHT BEACON WHEN ENTERING / EXITING WORK AREA

MATCHLINE SEE SHEET 10

PHASE 05

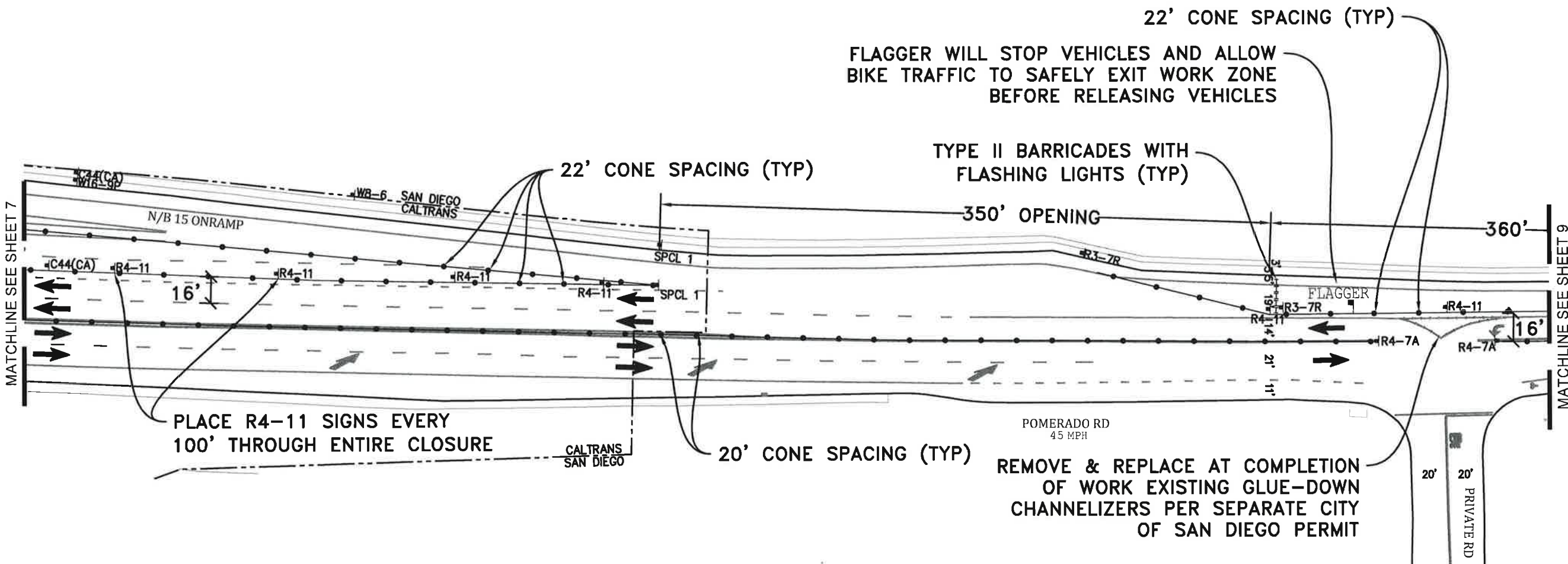
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<b>SHEET 7 OF 10</b>



FLAGGER WILL STOP VEHICLES AND ALLOW BIKE TRAFFIC TO SAFELY EXIT WORK ZONE BEFORE RELEASING VEHICLES

TYPE II BARRICADES WITH FLASHING LIGHTS (TYP)

PLACE R4-11 SIGNS EVERY 100' THROUGH ENTIRE CLOSURE

REMOVE & REPLACE AT COMPLETION OF WORK EXISTING GLUE-DOWN CHANNELIZERS PER SEPARATE CITY OF SAN DIEGO PERMIT

NOTE: KEEP K-RAIL 1' FROM CURB

NOTE: ALL CONFLICTING MARKERS AND DEVICES WILL BE REMOVED WHEN EQUIPMENT IS NOT IN USE

NOTE: KRAIL WILL BE INSTALLED AFTER 10PM AND REMOVED BY 5AM



SPCL 1

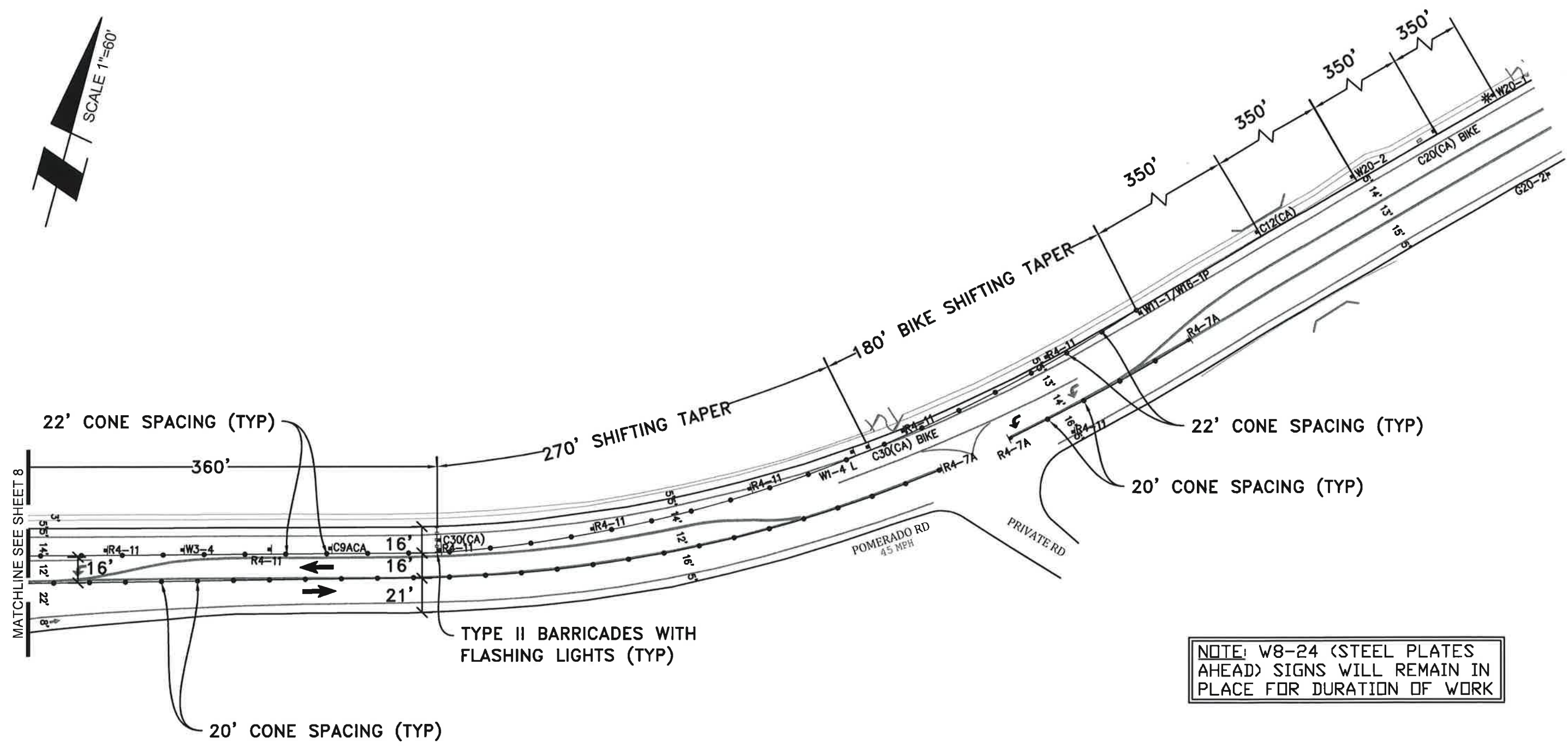
PHASE 05 (CONT)

UTILITY SURVEYORS, INC.  
  
 Gail McMorran  
 President  
 2534 EAST EL NORTE PARKWAY, SUITE C  
 ESCONDIDO, CA 92027  
 PHONE: (760) 480-2347  
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<b>SHEET 8 OF 10</b>





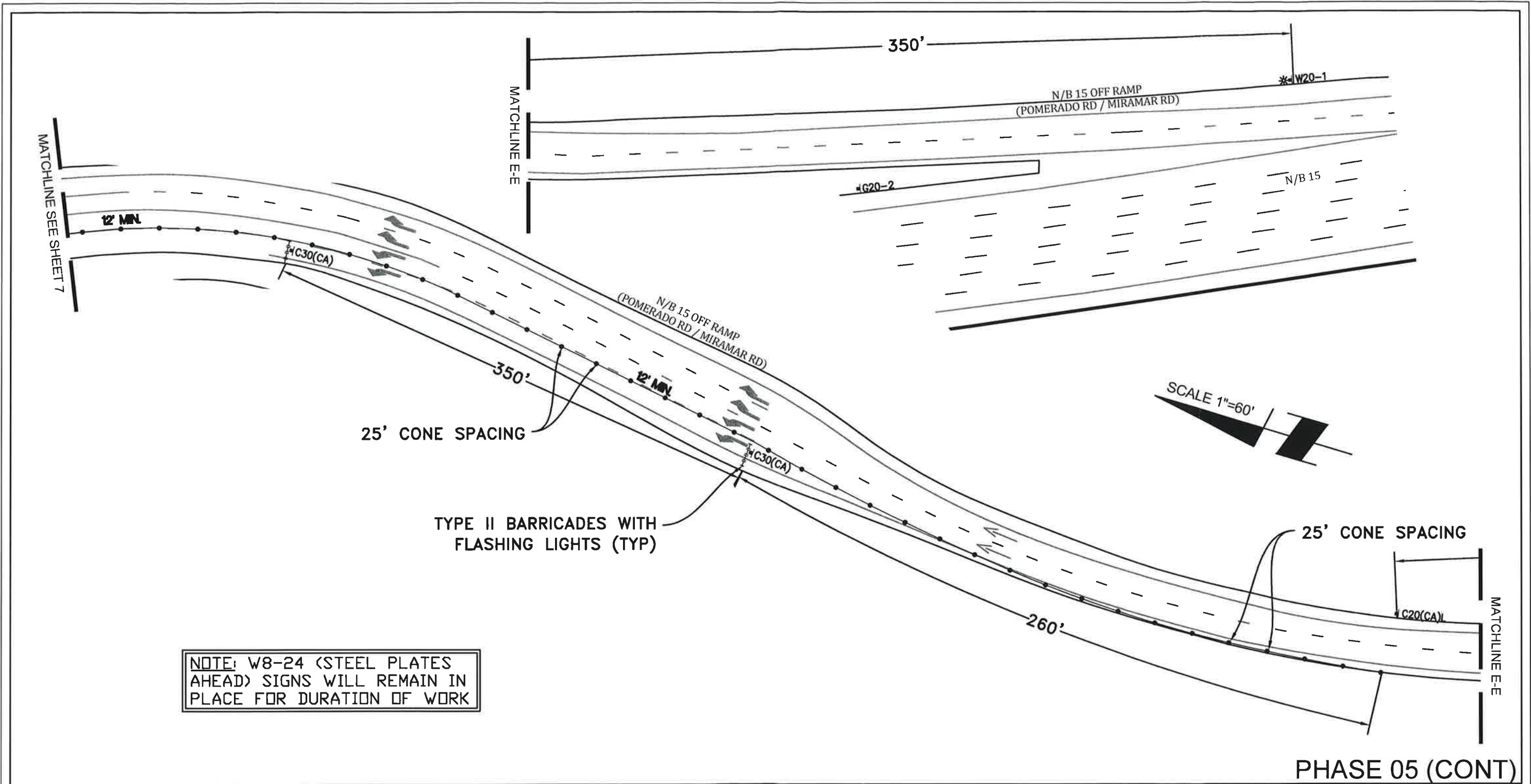
PHASE 05 (CONT)

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 Gail McMorran  
 President  
 2534 EAST EL NORTE PARKWAY, SUITE C  
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<b>SHEET 9 OF 10</b>





NOTE: W8-24 (STEEL PLATES AHEAD) SIGNS WILL REMAIN IN PLACE FOR DURATION OF WORK

UTILITY SURVEYORS, INC.



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TYPE OF WORK: TRENCHING / CONDUIT

DRAWN FOR: SAN DIEGO COUNTY

MISC/POTHOLES#:

DATE: 4/27/2018

DESIGNED BY:

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SHEET 10 OF 10