

Congested Area Plan

Aircraft Owner & Operator:

Operating Certificate Number: W90L253L
 Wilson Construction Company
 1190 NW 3rd Ave
 Canby, OR 97013
 (503)263-6882

Ron Stewart — Director of Helicopter Fit Ops (503)758-5079 cell

Utility (Customer):

San Diego Gas & Electric

Project:

WCC Job# 6172
 (SDG&E 230kv Sycamore — PQT Line)

Wilson Construction Company will be pulling in sock line for installation of fiber optic cable on an existing overhead line within the area laid out in the description below.

Rotorcraft:

<i>N Number*</i>	<i>Make</i>	<i>Model</i>	<i>Category</i>
N415WC	MD Helicopters	530FF	Normal

Pilot Name and Certificate Number:

Position	Last	First	Certificate #
Production Pilot	Jernigan	Randy	3294517
Chief Pilot	Stewart	Ron	3146612

Dates and Times Operation Will Begin and Terminate

<i>Event</i>	<i>Date(s)</i>	<i>Time Begin</i>	<i>Time Terminate</i>
General Project	12/16/17	0800	1900

Name, title and contact information of authorities agreeing to exclude unauthorized persons from operations area, if applicable:

All coordination with property owners is being managed by

Todd Voorhees
 Regional Public Affairs Manager
 Major Projects
 San Diego Gas & Electric
 8330 Century Park Court
 San Diego, CA 92123
 619-756-3578

List of streets/roads that will be blocked during operation, if applicable:

The following is a list of roads the transmission line crosses over from West to East*;

Road Name	Will cross with external load (traffic control stopping)	Will cross with load (Rural, uncongested roads)	Will not fly over with external load.
E Ocean Air Dr	X		
Sorrento Valley Blvd	X		
Lusk Blvd	X		
Wateridge Cir	X		
Wateridge Vista Dr	X		
Mira Sorrento Pl	X		
Mira Mesa Blvd	X		

(See attached diagrams. *The street listing does not indicate the direction of the work. That will be determined very near to the starting date. Each jurisdiction shall be notified of the starting end of the project. We will flag these roads IAW the MUTCD before moving an external load over them.)

Ingress/Egress Routes, if applicable:

This operation has been coordinated with the following air traffic control facilities, if applicable

Miramar Range control and ATC

Tony Guinn
 858-577-4419
 Tony.guinn@usmc.mil

Rotorcraft-load combination Class: B

■ Description;

- A Load = Platform and/or, Skid Work
- B Load = Long Line (Tools/Materials), Long Line (HEC)
- C Load = X Sock Line Pulling

- Length of attaching means (Includes hook and cable); N/A
- weight of Load; N/A
- Physical Size of Load; N/A

List of Buildings that shall be either partially or entirely unoccupied

by persons: No building shall be crossed with external load.

Load penetration (for occupied buildings):

How many floors could be penetrated by the load if dropped from the highest point it will be lifted above the building? N/A

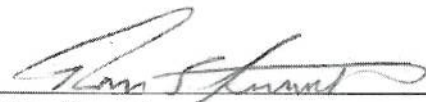
What is the maximum height the load will be lifted above the building? N/A feet.

Are charts, maps, and/or diagrams attached? Yes (See Attached).

Narrative description of pickup site, route, delivery site, and plan for ceasing operation if unauthorized persons enter operation area. (Use additional sheets if necessary.);

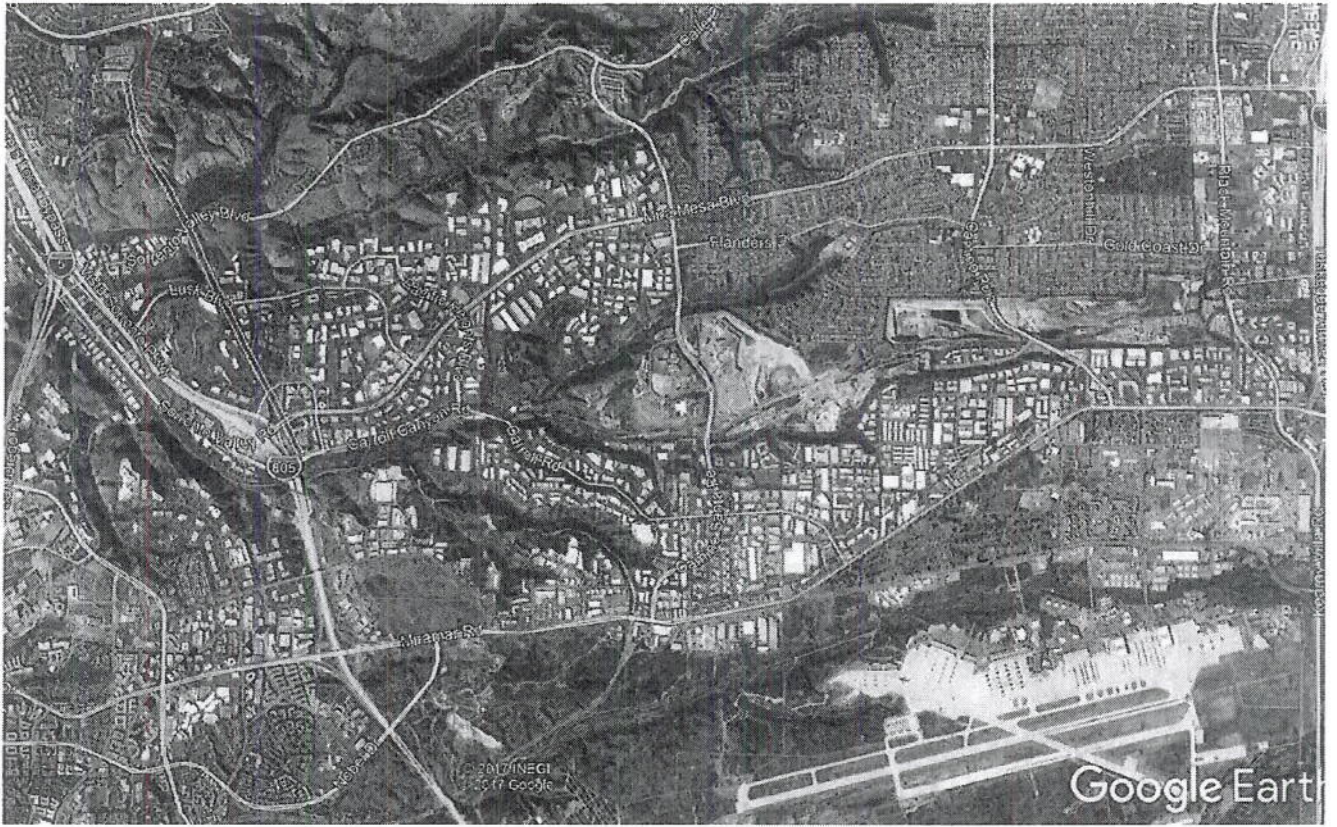
This operation will be involve pulling one sock line rope over approx. 11,000 ft of existing power line structures for the installation of fiber optic cable. All operations will be conducted at or below 200 agl.

Wilson Construction will monitor public clearance by conducting this pull on Saturday morning when businesses are closed and parking lots are empty. Traffic control will be established in accordance with the attached traffic plans and the progress of the rope pull shall be monitored by the project foreman to ensure that the public clearance is maintained throughout the pull.



Ron Stewart
Director of Helicopter Operations
Wilson Construction Company
503-758-5079

Date 12/7/2017

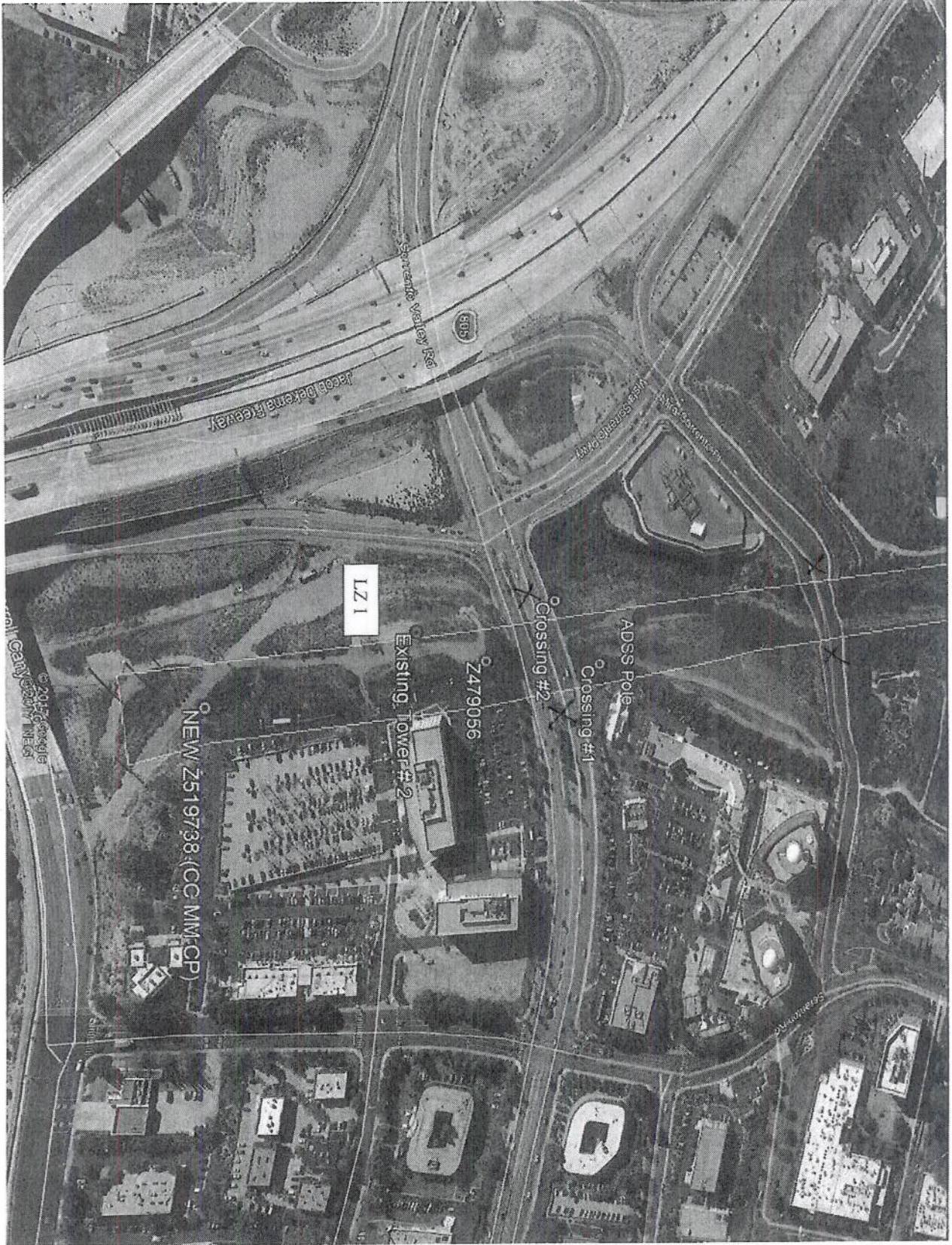


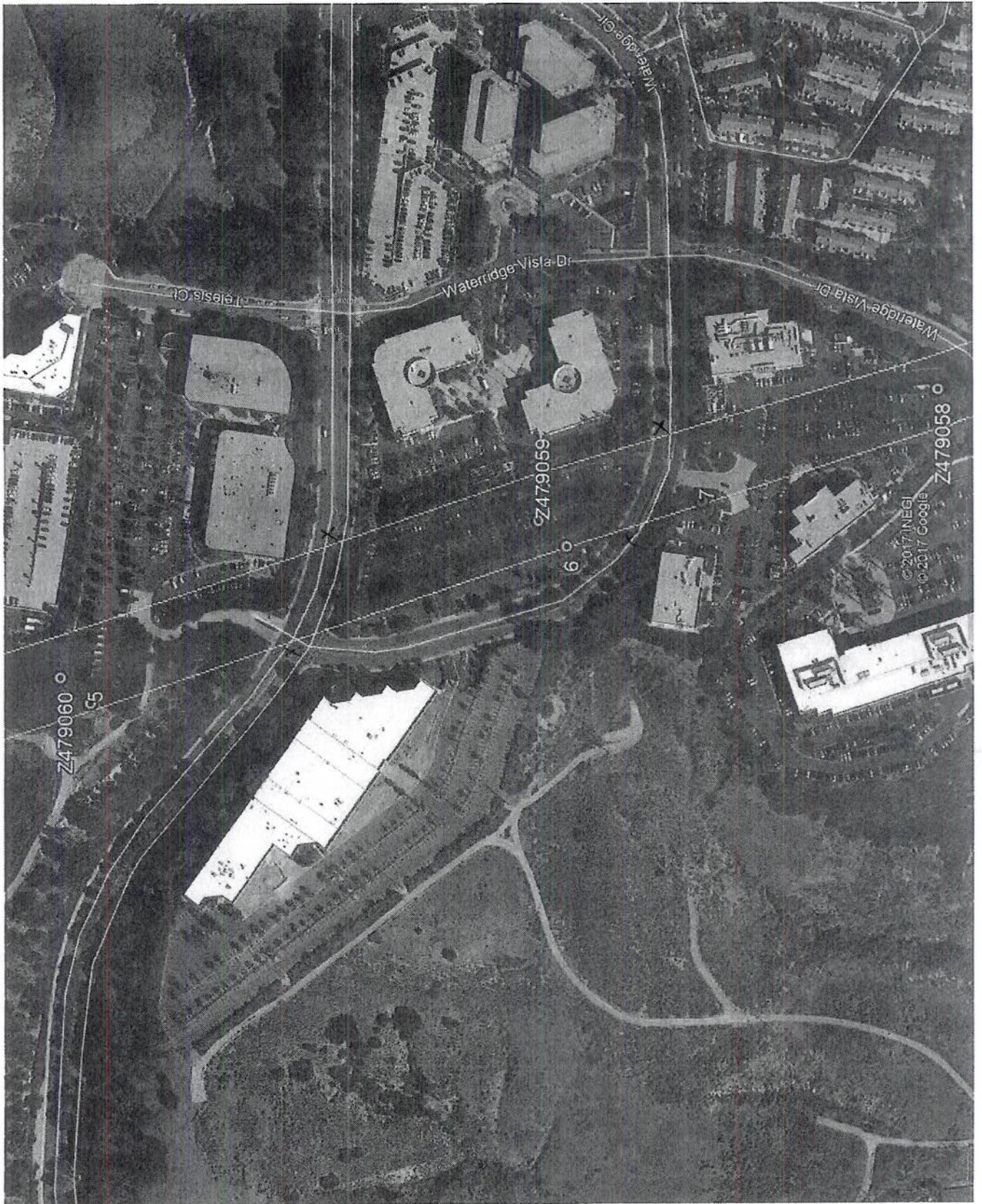
EXAMINED & APPROVED
DATE *10/15/11*
BY *[Signature]*
FAA FSDO WP-09
SAN DIEGO CA

X-FLAGMAN FROM
TRAFFIC COMPANY
SEE TRAFFIC
DIAGRAM.

EXAMINED & APPROVED
DATE 12/14/17
BY [Signature]
FAA PSDO WP-09
SAN DIEGO CA

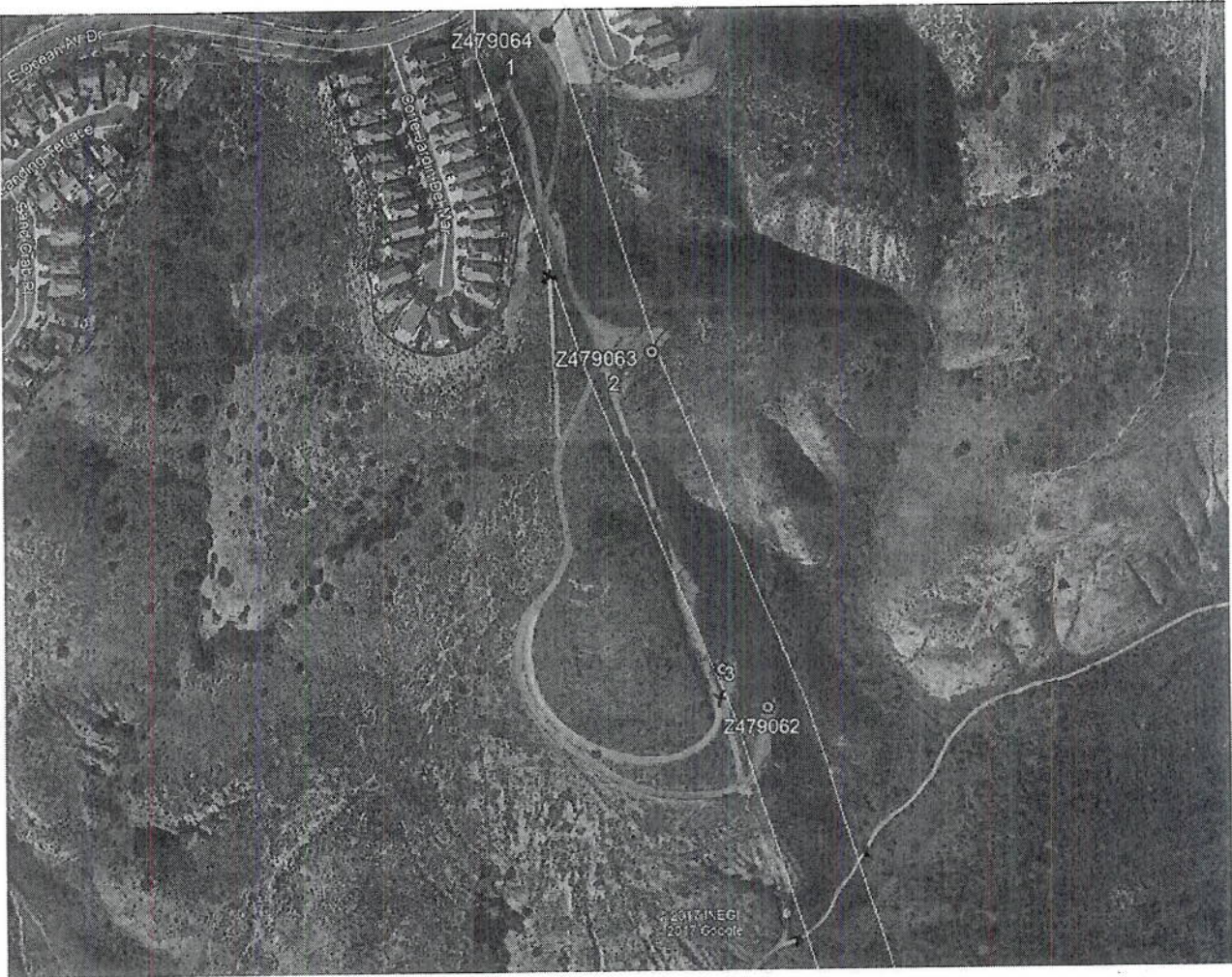








EXAMINED & APPROVED
DATE 11-14-17
BY [Signature]
PAAT/SLD WP-09
SAN DIEGO CA



EXAMINED & APPROVED
DATE *12/14/17*
BY *[Signature]*
EVA FSDO WP-09
SAN DIEGO CA

BRAVO AIRSPACE
COORDINATED W/ NIKX
AND SOLAR TRACON.

EXAMINED & APPROVED
DATE 10-14-12
BY [Signature]
FAA FSDO WP-09
SAN DIEGO CA



APPROVED
 TRAFFIC CONTROL PERMIT
 NOV 13 2017
 CITY OF SAN DIEGO
 Development Services
 Engineering Division
 TRAFFIC CONTROL SECTION

ORIGINAL PERMIT MUST
 BE KEPT ON JOB SITE ALL TIMES

Traffic Control Permit (TCP)
Multiple Location List
 (Franchise Utility Company Only - May Not Be Submitted By Contractor)

To: City of San Diego, Traffic Permit Section Date: 8-23-17
 From (Company): Wilson Const Phone No.: 971.266.7166
 Contact Person: Robby McIntire Fax No.:
 W.O. or Account #: TCP No.:

City Use Only
 Authorized # _____
 By _____
 Yes _____ No _____
 Date Revised _____

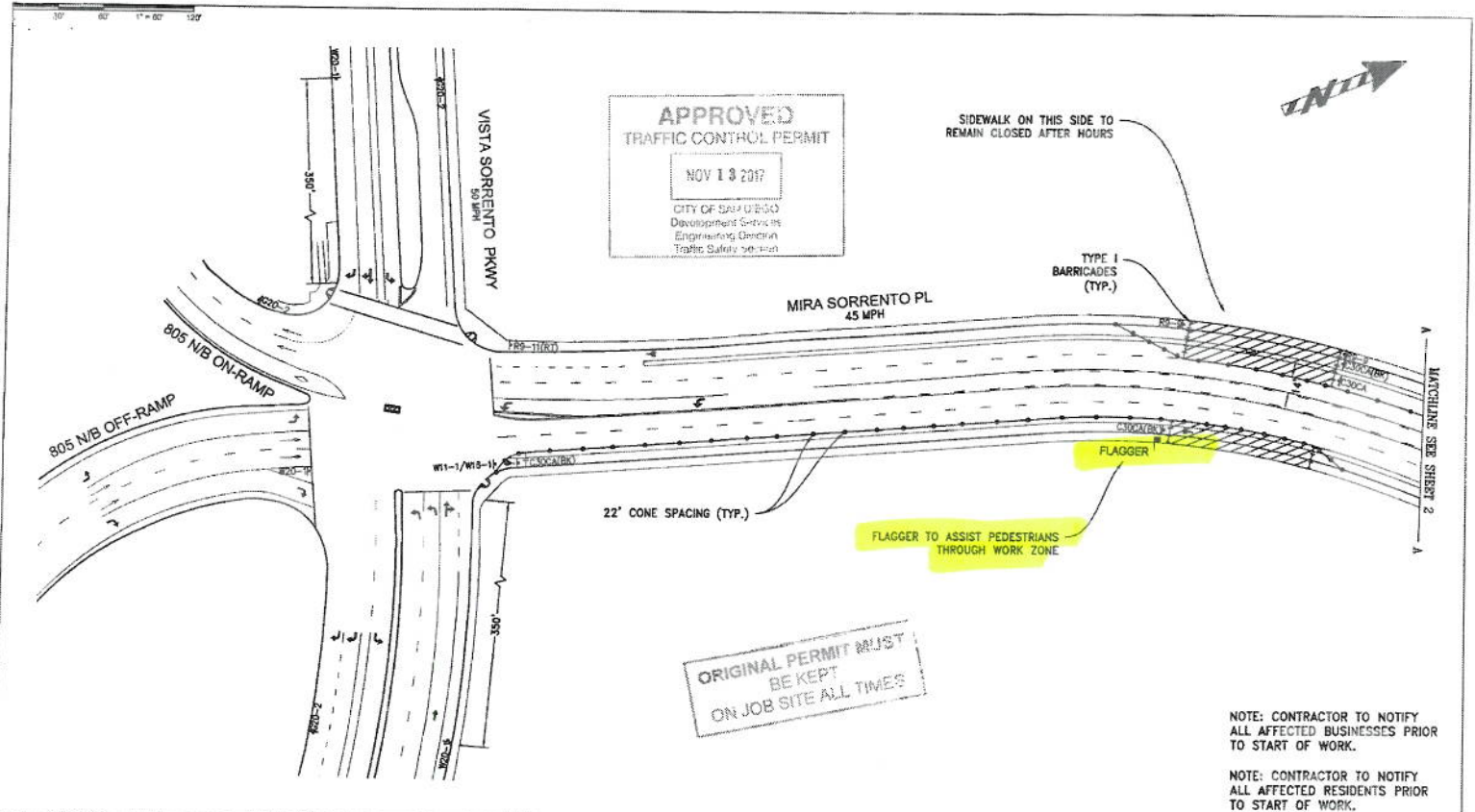
TYPE OF WORK
 1 = Lane Closure
 2 = Street Closure
 3 = Sidewalk Closure
 4 = Alley Closure
 5 = Paving Lane
 6 = Driveway
 7 = Trenching
 8 = Flagging

Location	From	To	Start Date *	End Date *	Work Hours **	Thomas Bros. Work	Type of Work
A. MIRA SORRENTO PL	VISTA SORRENTO PKWY	SCRANTON RD	8-24-17	9-13-17	7 AM- 4 PM	1208-E7	1,3,5,8
B. SORRENTO VALLEY BLVD	VISTA SORRENTO PKWY	SEA MIST WY	8-24-17	9-13-17	7 AM- 4 PM	1208-E7	3,5,8
C. E. OCEAN AIR	CORTE JARDIN DEL MAR	CORTE MAR ASOMBROSA	8-24-17	9-13-17	7 AM- 4 PM	1208-E7	1,3,5,8
D.							
E.							
F.							
G.							
H.							
I.							

Comments:
 Must be submitted a minimum of 2 working days prior to start of work. All columns must be filled out for authorization.
 Fee or mail to: City of San Diego, Traffic Control Permit Section, 1222 First Avenue, MS 501, San Diego, CA 92101. Fax: (619) 446-5485, Office: (619) 446-5150
 * Work Days: Monday Through Friday ** Work Hour: 8:30 AM - 3:30 PM. (Unless other hours are preapproved)
 No Work on Saturdays, Sundays, or Holidays Unless Approved and Noted in Comments
 Minimum of 5 working days notification required for construction work which affects traffic signal e-mail info to: dclaire@sandiego.gov

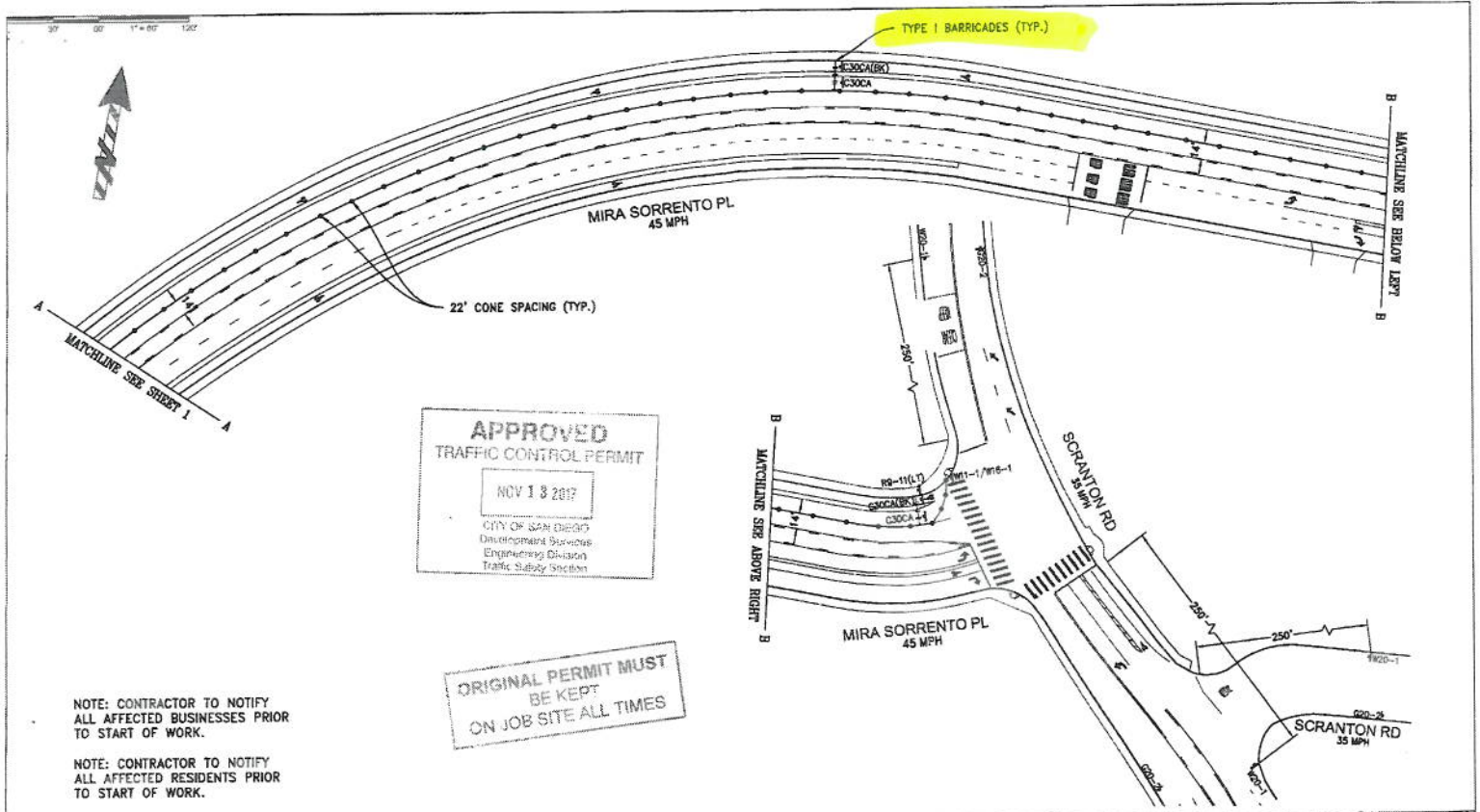
Revised: 06/12/09

EXAMINED & APPROVED
 DATE 12-14-17
 BY [Signature]
 PAA FSDO WP-09
 SAN DIEGO CA



NOTE: CONTRACTOR TO NOTIFY ALL AFFECTED BUSINESSES PRIOR TO START OF WORK.
 NOTE: CONTRACTOR TO NOTIFY ALL AFFECTED RESIDENTS PRIOR TO START OF WORK.

CO's TRAFFIC CONTROL, INC. LIC# 818076	1221 S. 26TH ST SAN DIEGO, CA 92113 OFFICE: (858) 259-0300 FAX: (858) 259-0357	POSTED SPEED LIMIT (MPH)	45	DRAWN BY:	JUAN LOREDO JR	PENASQUITO SEGMENT OVEHEAD WORK	TRAFFIC CONTROL PLANS	
		SIGN SPACING (FEET)	350	PROJECT NUMBER:	WILSON CONSTRUCTION CO.		CITY OF SAN DIEGO	
		TAPER LENGTH (FEET)	540	DATE:	August 23, 2017	COMPANY: ROBBY MCINTIRE 503.263.6882 PROJECT CONTACT PHONE	1208 - E7	SHEET 1 OF 4



CO's
TRAFFIC CONTROL, INC.
 LIC# 818076

1221 S. 26TH ST
 SAN DIEGO, CA 92113
 OFFICE: (858) 259-0300
 FAX: (858) 259-0357

POSTED SPEED LIMIT (MPH)	45
SIGN SPACING (FEET)	350
TAPER LENGTH (FEET)	540
CONE SPACING (FEET)	45

DRAWN BY:	JUAN LOREDO JR
PROJECT NUMBER:	August 23, 2017
DATE:	

PENASQUITO SEGMENT OVERRIDE WORK	
PROJECT INFORMATION	
WILSON CONSTRUCTION CO.	
COMPANY	ROBBY MCINTIRE
PROJECT CONTACT	503.263.6882 PHONE

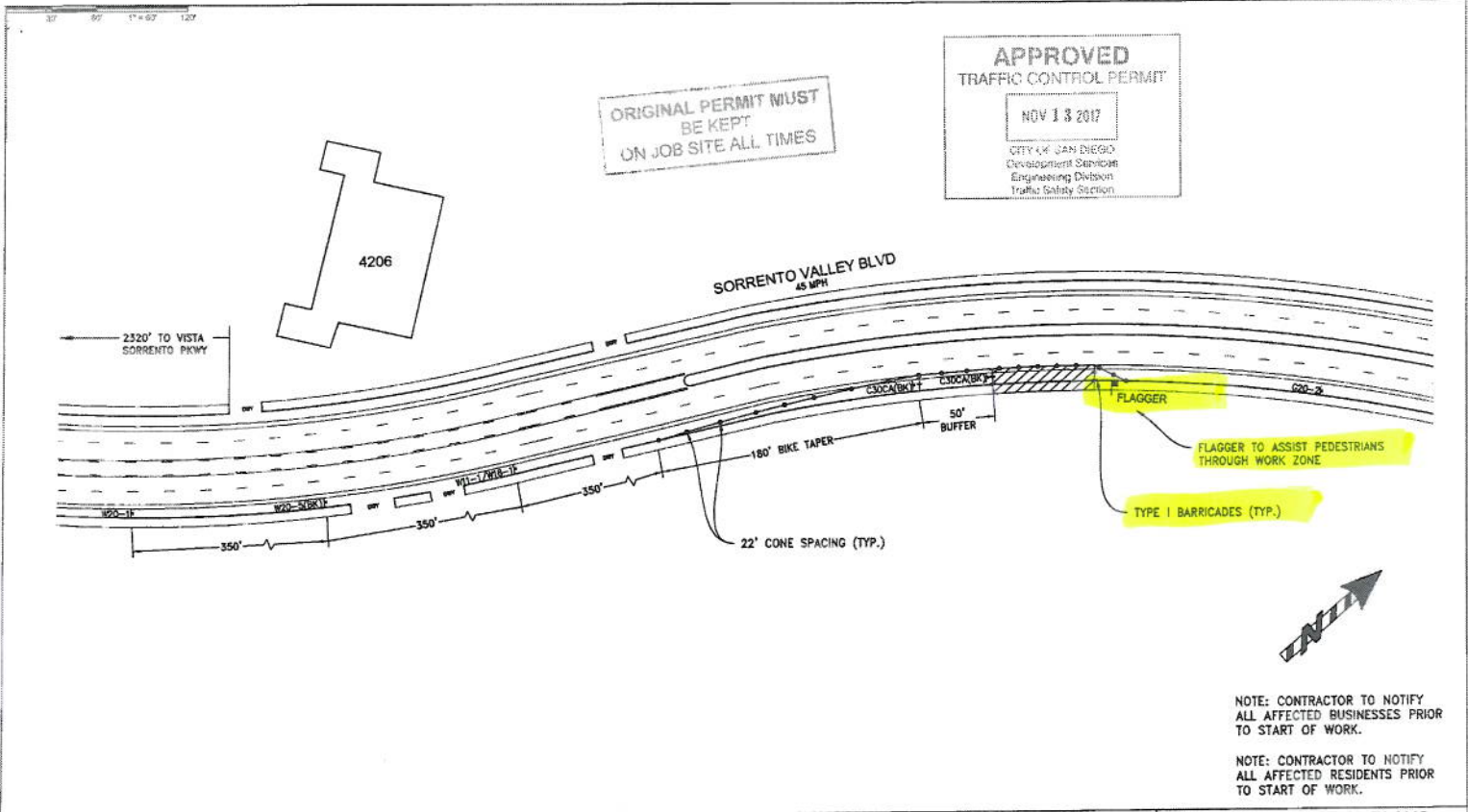
TRAFFIC CONTROL PLANS

CITY OF SAN DIEGO

1208 - E7

SHEET 2 OF 4

EXAMINED & APPROVED
 DATE 7/14/17
 BY [Signature]
 FAA FSDO WP-09
 SAN DIEGO CA



ORIGINAL PERMIT MUST
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 NOV 13 2017
 CITY OF SAN DIEGO
 Development Services
 Engineering Division
 Traffic Safety Section

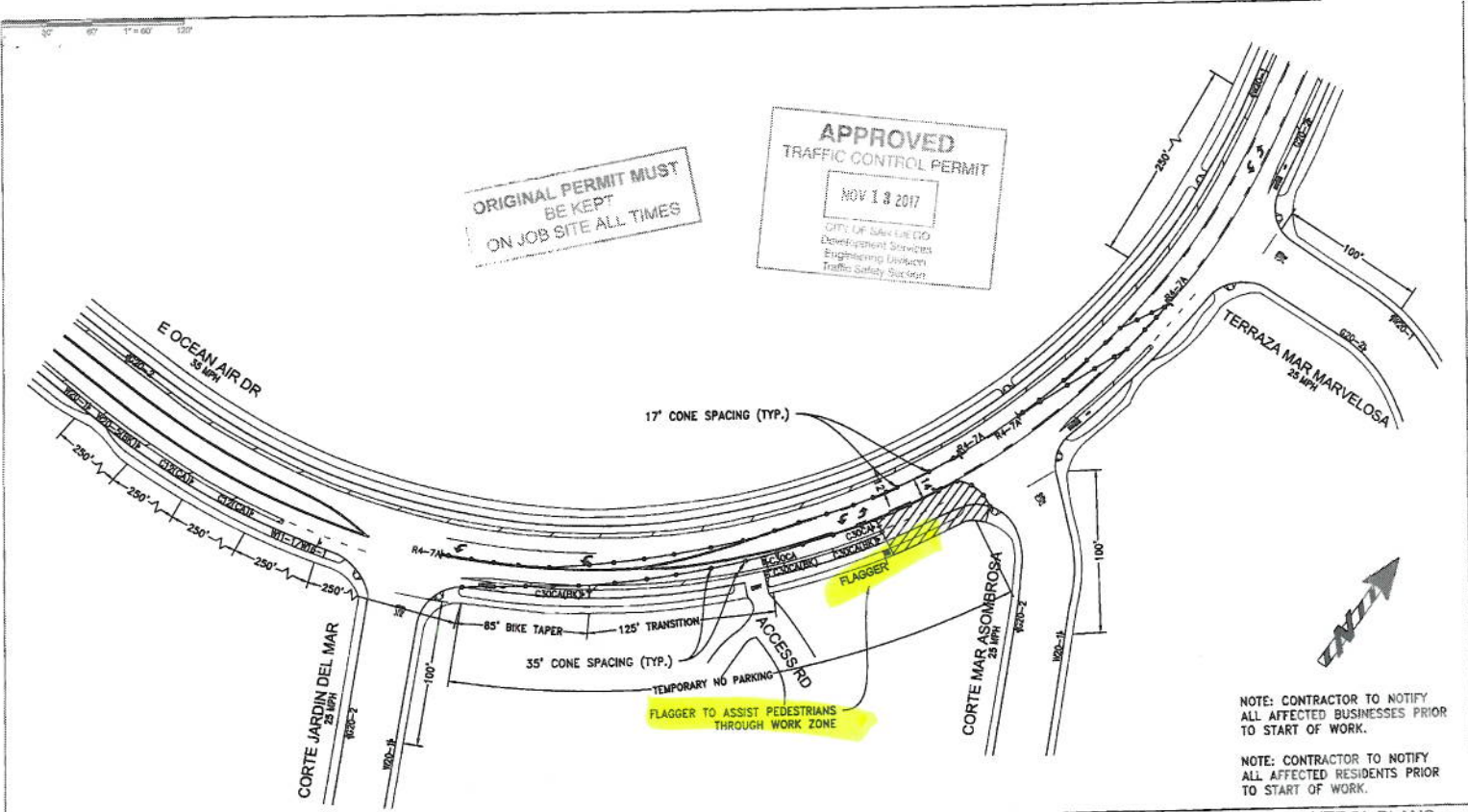
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		TAPER LENGTH (FEET)	540	DATE:	August 23, 2017	PROJECT CONTACT	ROBBY MCINTIRE 503.263.6882		1208 - E7	SHEET 3 OF 4
		CDNE SPACING (FEET)	45							

EXAMINED & APPROVED
 DATE 12-14-17
 BY [Signature]
 FAA-FSDO WP-09
 SAN DIEGO CA

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 LIC# 818076

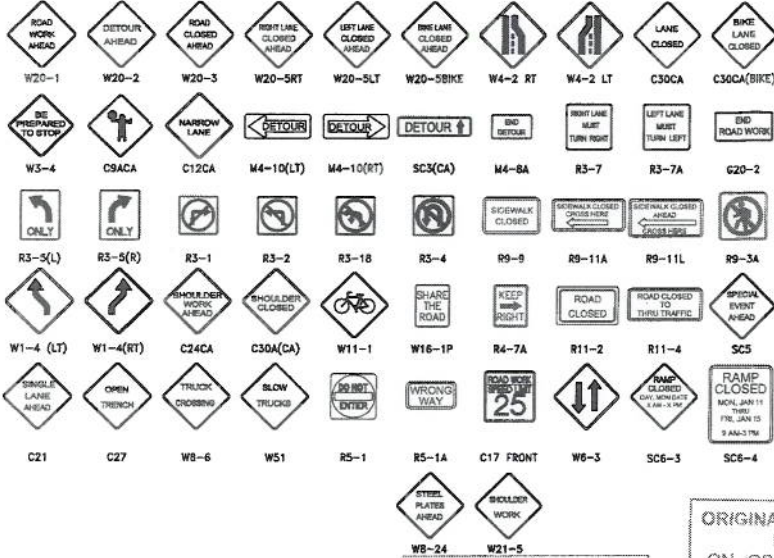
1221 S. 26TH ST
 SAN DIEGO, CA 92113
 OFFICE: (858) 259-0300
 FAX: (858) 259-0357

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SIGN SPACING (FEET)	350	PROJECT NUMBER:	August 23, 2017
TAPER LENGTH (FEET)	540	DATE:	
CONE SPACING (FEET)	45		

PENASQUITO SEGMENT OVEHEAD WORK	
PROJECT INFORMATION	
COMPANY:	WILSON CONSTRUCTION CO.
PROJECT CONTACT:	ROBBY MCINTIRE 503.263.6882
	PHONE

TRAFFIC CONTROL PLANS	
CITY OF SAN DIEGO	
1208 - E7	SHEET 4 OF 4

CONSTRUCTION SIGNS:



- LEGEND:**
- FLASHING BEACON
 - DIRECTION OF TRAVEL
 - CONE/DELINEATOR
 - BARRICADE
 - FLAGGER
 - SIGN
 - RAILROAD TRACKS
 - FLASHING ARROW SIGN
 - CHANGEABLE MESSAGE SIGN
 - WORK AREA
 - SIGNALIZED INTERSECTION



CITY OF SAN DIEGO TRAFFIC CONTROL NOTES:

- VALIDATION: THE TRAFFIC CONTROL PLAN IS NOT VALID UNTIL WORK DATES AND WORK HOURS ARE APPROVED. THE CONTRACTOR SHALL SUBMIT TWO (2) REDUCED COPIES OF TRAFFIC CONTROL PLANS (1 TO THE TRAFFIC CONTROL PERMIT CENTER, 3RD FLOOR DEVELOPMENT SERVICES CENTER, 1222 FIRST AVENUE, SAN DIEGO. THE CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A ROAD OR ALLEY CLOSURE.
- CONTRACTOR SHALL NOTIFY THE CITY TRAFFIC ENGINEER AT (858) 466-4741 A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY CONSTRUCTION WORK AFFECTING TRAFFIC SIGNALS.
- STANDARDS: THE TRAFFIC CONTROL PLAN SHALL CONFORM TO THE MOST RECENT ADOPTED EDITION OF EACH OF THE FOLLOWING MANUALS:

DESCRIPTION	EDITION	DOCUMENT NO.
STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (THE "GREENBOOK")	2015	PERMITS-01
CITY OF SAN DIEGO STANDARD DRAWINGS	2016	PERMITS-01-01
CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD)	2014	PERMITS-01-07
- NOTIFICATIONS: THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION, CONSTRUCTION, OR TRAFFIC CONTROL AFFECTING THE ADDRESSES LISTED BELOW:

AGENCY	CONTACT INFORMATION
FIRE DEPARTMENT DISPATCH	(858) 573-3300
POLICE DEPARTMENT DISPATCH	(619) 531-2000
ENVIRONMENTAL SERVICES	(619) 495-9000
STREET CLOSURE	(619) 357-7000
METROPOLITAN TRANSIT SYSTEM (MTS) (BUS STOPS)	(619) 236-0100 EXT. 6451
METROPOLITAN TRANSIT SYSTEM (MTS) (TRAIN STATIONS)	(619) 235-2644
METROPOLITAN TRANSIT SYSTEM (MTS) (ANY EXCAVATION)	(619) 386-4600
UNDERGROUND SERVICE ALERT	(858) 523-4133
- THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND TENANTS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF DRIVEWAYS. THE CONTRACTOR SHALL POST SIGNS NOTIFYING THE PUBLIC A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CLOSURE OF DRIVEWAYS.
- THE CONTRACTOR SHALL NOTIFY ENGINEERING FIELD DIVISION AT (858) 627-8200 AND ARRANGE FOR INSPECTION A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO STARTING ANY WORK INVOLVING NIGHTTIME OR WEDNESDAY WORK WHERE APPLICABLE.
- POSTING PARKING RESTRICTIONS: THE CONTRACTOR SHALL POST TOW-AWAY PARKING SIGNS TWENTY-FOUR (24) HOURS IN ADVANCE OF PARKING REMOVAL. SIGNS SHALL INDICATE SPECIFIC DATES, DATES, AND TIMES OF RESTRICTIONS. PARKING METERS SHALL BE DAGED WHERE APPLICABLE.
- EXCAVATIONS: EXCEPT WHEN OTHERWISE SHOWN ON THE PLANS, ALL TRENCHES SHALL BE BACKFILLED OR TRENCH PLATED AT THE END OF EACH WORKDAY. AN ASPHALT RAMP SHALL BE PLACED AROUND EACH TRENCH PLATE TO PREVENT THE PLATE FROM BEING DISLOADED. CONTRACTOR SHALL MONITOR TRENCH PLATES DURING NON-WORKING HOURS TO ENSURE THAT THEY DO NOT BECOME ENDOGGED. UPON COMPLETION OF EXCAVATION BACKFILL, THE CONTRACTOR SHALL PROVIDE A BACKFILL SURFACE FOR PLATES. WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVELY IN PROGRESS, THE CONTRACTOR SHALL MAINTAIN ALL TRAVEL LANES, BIKE LANES, AND PEDESTRIAN WALKWAYS IN THE RIGHT-OF-WAY EXCEPT WHEN OTHERWISE SHOWN ON THE PLANS.
- COVERED PEDESTRIAN WALKWAY: THE CONTRACTOR SHALL CONTACT THE CITY RESIDENT ENGINEER AT (619) 627-3260 FOR INSPECTION OF ANY COVERED PEDESTRIAN WALKWAY DURING CONSTRUCTION OF SUCH WALKWAY.
- RESTORATION OF ROADWAY: THE CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING IMPROVEMENTS WITHIN RIGHT-OF-WAY NOT DESIGNATED FOR PERMANENT REMOVAL (TRAFFIC SIGNS, STRIPING, PAVEMENT MARKERS, PAVEMENT MARKINGS, LEGENDS, CURB MARKERS, LOOP DETECTORS, TRAFFIC SIGNAL EQUIPMENT, ETC.) WHICH ARE DAMAGED OR REMOVED AS A RESULT OF OPERATIONS, REPAIRS AND IMPROVEMENTS SHALL BE AT LEAST EQUAL TO EXISTING IMPROVEMENT.
- CHANGE IN WORK: THE CITY ENGINEER RESERVES THE RIGHT TO OBSERVE THESE TRAFFIC CONTROL PLANS IN OPERATION AND TO MAKE ANY CHANGES AS HELD CONDITIONS WARRANT. ANY CHANGES SHALL BE DOCUMENTED AND SUPERSEDE THESE PLANS.

ORIGINAL PERMIT TO BE KEPT ON JOB SITE ALL TIMES

TABLE 1

RECOMMENDED DSH SPACING FOR ADVANCE WARNING SIGN SERIES AND MINIMUM TAPER LENGTHS

APPROACH SPEED (MPH)	MINIMUM DISTANCE IN FEET BETWEEN SIGNS AND FROM LAST SIGN TO TAPER	MAXIMUM DEVICE SPACING IN FEET	TAPER LENGTHS (L) (FEET)		
			L	1/2 L	1/3 L
25	100	35	125	65	45
30	150	50	180	90	60
35	200	65	245	125	85
40	250	80	310	160	110
45	300	95	375	200	140
50	350	110	440	240	170
55+	350	125	500	280	200
			600	320	220
			660	330	220

L FOR MERGE TAPER
 1/2 L FOR SHIFT TAPER
 1/3 L FOR SHOULDER TAPER

TABLE 2

RECOMMENDED TAPER LENGTH AND MAXIMUM CHANNELER / CONE SPACING

APPROACH SPEED (MPH)	BUFFER LENGTH (FEET)	MAX CONE SPACING TAPER (FEET)	TANGENT CONTACT (FT)	CONFLICT (FT)
25	155	25	50	12
30	200	30	60	15
35	250	35	70	17
40	305	40	80	20
45	360	45	90	22
50	425	50	100	25
50+	495	55	110	27

NOTES:
 TAPER FORMULA: $L = S \times W$ FOR SPEEDS > 40 MPH
 $L = W \times S^2$ FOR SPEEDS < 40 MPH
 WHERE:
 L = MINIMUM LENGTH OF TAPER (FEET)
 S = APPROACH SPEED (MPH) = POSTED SPEED LIMIT OF OFF-PEAK BEYOND SPEED TO WORK STOPPING OR ANTICIPATED OPERATING SPEED
 W = WIDTH OF OFFSET (FEET)

(*) THIS TABLE IS PER 2012 CALIFORNIA MUTCD
 (**) FACING OPPOSITE TRAFFIC, ADJACENT TO WORK AREA OR CONFLICTING WITH EXISTING STOPPING

CO's
TRAFFIC CONTROL, INC.
 LIC# 818076

1221 S. 26TH ST
 SAN DIEGO, CA 92113
 OFFICE: (858) 259-0300
 FAX: (858) 259-0357

MAILING ADDRESS:
 P.O. BOX 13459
 SAN DIEGO, CA 92170

PENASQUITO SEGMENT
 OVERHEAD WORK

TRAFFIC CONTROL PLANS