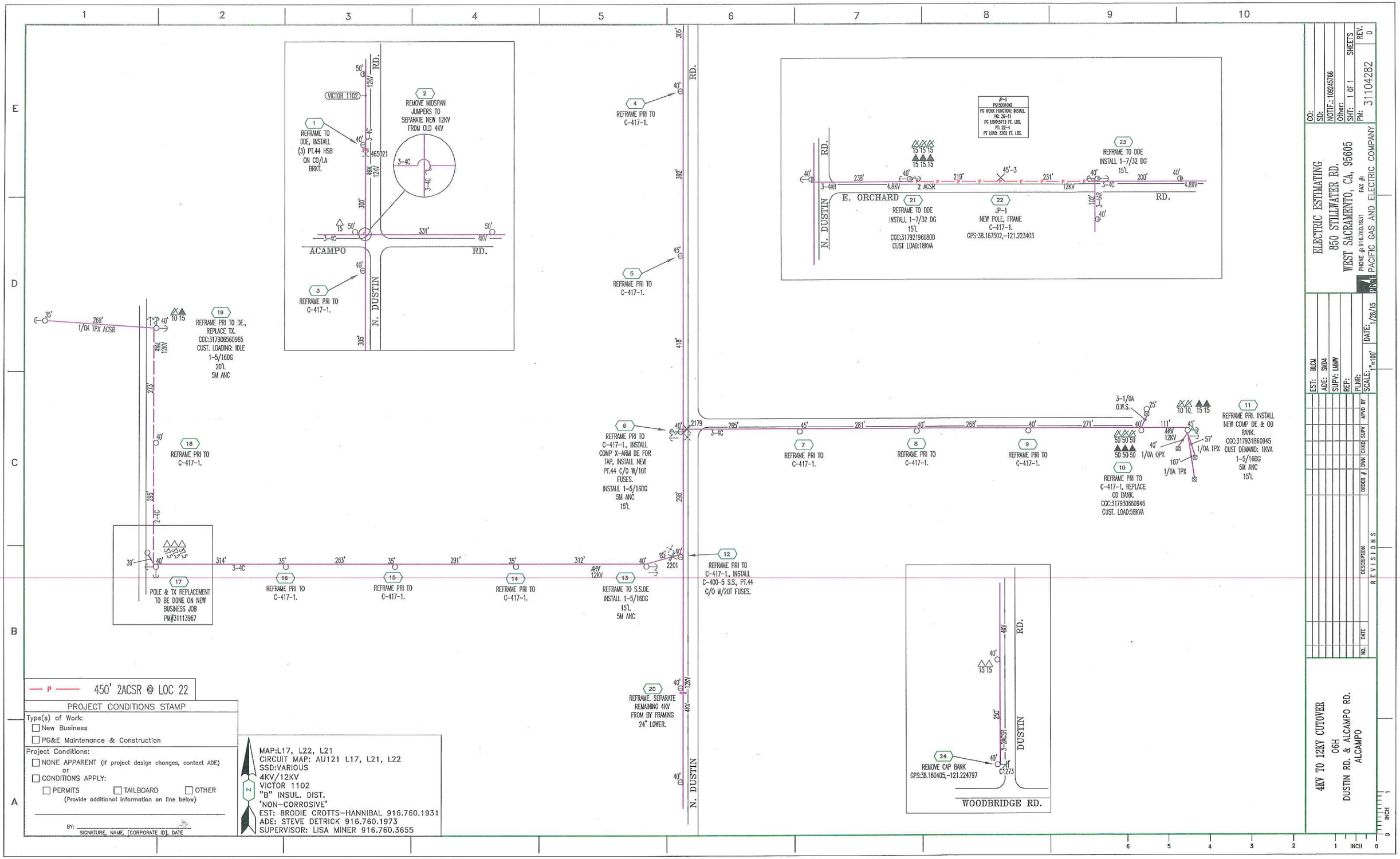
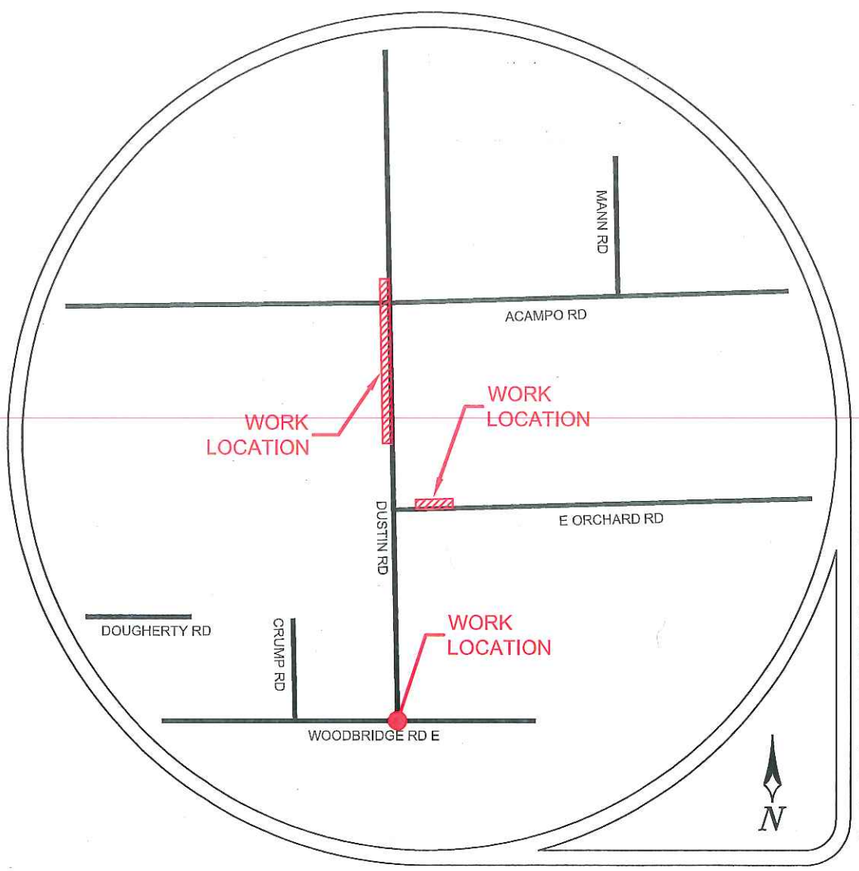

VICTOR 1102
1 REFRAME TO DDE, INSTALL (3) PT.44 HSB ON CO/LA BRKT.
2 REMOVE MIDSPAN JUMPERS TO SEPARATE NEW 12KV FROM OLD 4KV
3 REFRAME PRI TO C-417-1.
4 REFRAME PRI TO C-417-1.
5 REFRAME PRI TO C-417-1.
6 REFRAME PRI TO C-417-1., INSTALL COMP X-ARM DE FOR TAP, INSTALL NEW PT.44 C/O W/10T FUSES. INSTALL 1-5/16DG 5M ANC 15'L
7 REFRAME PRI TO C-417-1.
8 REFRAME PRI TO C-417-1.
9 REFRAME PRI TO C-417-1.
10 REFRAME PRI TO C-417-1, REPLACE CO BANK. CGC:317930660946 CUST. LOAD:58KVA
11 REFRAME PRI. INSTALL NEW COMP DE & OD BANK. CGC:317931660945 CUST DEMAND: 1KVA 1-5/16DG 5M ANC 15'L
12 REFRAME PRI TO C-417-1., INSTALL C-400-5 S.S., PT.44 C/O W/20T FUSES.
13 REFRAME TO S.S.DE INSTALL 1-5/16DG 15'L 5M ANC
14 REFRAME PRI TO C-417-1.
15 REFRAME PRI TO C-417-1.
16 REFRAME PRI TO C-417-1.
17 POLE & TX REPLACEMENT TO BE DONE ON NEW BUSINESS JOB PM#31113967
18 REFRAME PRI TO C-417-1.
19 REFRAME PRI TO DE., REPLACE TX. CGC:317906560965 CUST. LOADING: IDLE 1-5/16DG 20'L 5M ANC
20 REFRAME. SEPARATE REMAINING 4KV FROM BY FRAMING 24" LOWER.
21 REFRAME TO DDE INSTALL 1-7/32 DG 15'L CGC:317921960800 CUST LOAD:18KVA
22 JP-1 NEW POLE, FRAME C-417-1. GPS:38.167502,-121.223403
23 REFRAME TO DDE INSTALL 1-7/32 DG 15'L
24 REMOVE CAP BANK GPS:38.160405,-121.224797
JP-1 PG150010XE PG WORK FUNCTION: INSTALL PG: 39-11 PG LOAD:5713 FT. LBS. PT: 22-4 PT LOAD: 3302 FT. LBS.
ACAMPO RD.
N. DUSTIN RD.
E. ORCHARD RD.
WOODBRIDGE RD.
DUSTIN
450' 2ACSR @ LOC 22
PROJECT CONDITIONS STAMP
Type(s) of Work:
New Business
PG&E Maintenance & Construction
Project Conditions:
NONE APPARENT (if project design changes, contact ADE)
or
CONDITIONS APPLY:
PERMITS TAILBOARD OTHER
(Provide additional information on line below)
BY: SIGNATURE, NAME, [CORPORATE ID], DATE
MAP:L17, L22, L21
CIRCUIT MAP: AU121 L17, L21, L22
SSD:VARIOUS
4KV/12KV
VICTOR 1102
"B" INSUL. DIST.
'NON-CORROSIVE'
EST: BRODIE CROTTS-HANNIBAL 916.760.1931
ADE: STEVE DETRICK 916.760.1973
SUPERVISOR: LISA MINER 916.760.3655
ELECTRIC ESTIMATING
850 STILLWATER RD.
WEST SACRAMENTO, CA, 95605
PHONE #:916.760.1931 FAX #:
PG&E PACIFIC GAS AND ELECTRIC COMPANY
CO:
SD:
NOTIF.: 10924566
Other:
SHT: 1 OF 1
SHEETS
REV. 0
PM: 31104282
EST: BLOM
ADE: SMD4
SUPV: LMMW
REP:
PLNR:
SCALE: 1"=100'
DATE: 1/28/15
REVISIONS
NO. DATE DESCRIPTION ORDER # DWN CHKD SUPV APVD BY
4KV TO 12KV CUTOVER
06H
DUSTIN RD. & ALCAMPO RD.
ALCAMPO

TRAFFIC CONTROL PLANS
4KV TO 12 KV CUTOVER
DUSTIN RD & ACAMPO RD
ACAMPO, CALIFORNIA

SAN JOAQUIN COUNTY



LOCATION MAP

PM31104282

CONTRACTOR

Pacific Gas and Electric Company

CONTACT BRODIE CROTTS-HANNIBAL

PHONE# (916) 760-1931

CONSULTANT

ALMENDARIZ CONSULTING INC

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1136 SUNCAST LN STE 9
EL DORADO HILLS, CA 95762
(888) 306-1211 OFFICE
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CA C31 LIC #979806

REVISIONS			
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PROJECT NO. 150188
DRAWN JEL
DESIGNED JSH
CHECKED CAA

DATE
FEBRUARY 20, 2015

SHEET NO. 1 OF 8

GENERAL NOTES

1. NOTHING ALLOWED IN THE BUFFER AND TRANSITION AREAS AT ALL TIMES.
2. SIGNS ARE ONLY SHOWING TO THE PUBLIC WHEN IN USE.
3. SIGNS AND CHANNELIZING DEVICES MUST BE RETROREFLECTIVE OR ILLUMINATED DURING NIGHT OPERATIONS.
4. SIGN PANEL SIZES: 36"X36" MIN. ON ROADS <50mph, 48"x48" ON ROADS ≥ 50mph.
5. SIGNS ARE SPACED PER THE CA 2014 MUTCD.
6. CHANNELIZING DEVICES SPACING AND TAPER LENGTHS ARE BASED ON THEIR RESPECTIVE CHARTS. (SEE CHARTS THIS PAGE)
7. NOTIFY THE LOCAL LAW ENFORCEMENT, FIRE, AND AMBULANCE COMPANIES WITHIN 72 HOURS BEFORE CONSTRUCTION BEGINS.
8. CONTRACTOR TO MAKE SURE ALL TRAFFIC CONTROL EQUIPMENT MEETS ALL AGENCY REQUIREMENTS.
9. REMOVE ALL CONFLICTING MARKINGS FOR LONG TERM OPERATIONS (3 DAYS OR LONGER).
10. THE LOCATION OF THE SIGNS AS SHOWN ON THE ILLUSTRATIONS ARE GUIDELINES AND ACTUAL LOCATIONS WILL DEPEND UPON ALIGNMENT, GRADE, LOCATION OF STREET INTERSECTIONS AND 85% TILE/POSTED SPEED LIMITS/OR PRIMA FACIE.
11. WHILE CROSSING INTERSECTIONS DURING MOBILE WORK, WORK MUST FOLLOW THE FLOW OF TRAFFIC AND PROCEED ON A GREEN LIGHT.
12. FULL COMPLIANCE IS REQUIRED WITH THE COUNTY AGENCY.(AFFECTS NOTES #20 THRU 22, BELOW)
13. PEDESTRIAN ACCESS MUST BE MAINTAINED AS PER THE CA 2014 MUTCD STANDARDS AND ADA REQUIREMENTS.
14. C30 SIGNS ARE PERMITTED IN BUFFER AREAS.
15. SIGN SPACING IS PROVIDED IN THE CA 2014 MUTCD EDITION, PART 6. TRAFFIC SPEEDS ARE BASED UPON RADAR MEASUREMENTS OF MOTORISTS. THE MUTCD ALLOWS FOR A "RANGE" IN SIGN PLACEMENT AND WILL BE PROVIDED BY DOT. THE 85% TILE IS USED WHEN AVAILABLE TO PROVIDE A MORE ACCURATE REPRESENTATION OF MOTORISTS SPEEDS.
16. ANY WORK WITHIN 200 FT OF A SIGNALIZED INTERSECTION WILL REQUIRE CONTACT AND COORDINATION WITH COUNTY AGENCY PRIOR TO ANY WORK.
17. QUALITY STANDARD TO MEET REQUIREMENTS OF SECTION 1A-2 OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
18. ALL TRAFFIC CONTROL DEVICES INCLUDING: SIGNS, BARRICADES, VERTICAL PANELS, DRUMS, WARNING LIGHTS, ARROWBOARDS, CHANGEABLE MESSAGE SIGNS, CONES AND TUBULAR MARKERS THAT MEET THE REQUIREMENTS OF AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA). "CA 2014 MUTCD" SHALL BE USED ON THIS PROJECT/THIS WORK.
19. THE NCHRP REPORT 476 PROVIDES GUIDELINES FOR DESIGN AND OPERATION OF NIGHTTIME TRAFFIC CONTROL FOR HIGHWAY MAINTENANCE AND CONSTRUCTION. SEE TYPICAL APPLICATIONS NWTA-1 THROUGH NWTA-7. COMPLY WITH ANSI 107-2004 FOR APPAREL. HIGHWAY CONSTRUCTION WORK LIGHTING SHALL BE PER CONSTRUCTION SAFETY ORDER 1523 (CALIFORNIA CODE OF REGULATIONS TITLE 8, DIVISION1, CHAPTER 4, SUBCHAPTER 4, ARTICLE 3, SECTION 1523 - ILLUMINATIONS).
20. SIDEWALKS AT THE CONSTRUCTION LOCATION MAY BE CLOSED WITH ADEQUATE DETOURS. SIDEWALKS MAY ONLY BE CLOSED TO THROUGH TRAFFIC AND SHALL NOT PREVENT LOCAL PEDESTRIANS ACCESS. DETOURS SHALL NOT INCREASE THE PATH OF TRAVEL BY MORE THAN 500 FT. DETOUR ROUTES SHALL BE LIMITED TO EXISTING SIDEWALKS, PRIVATE PROPERTIES (SEE BELOW REQUIREMENTS) AND CROSSINGS AT ROADWAY INTERSECTIONS. TO THE MAXIMUM EXTENT FEASIBLE, THE ALTERNATE CIRCULATION PATH SHALL BE PROVIDED ON THE SAME SIDE OF THE STREET AS THE DISRUPTED ROUTE. WHERE IT IS FEASIBLE TO PROVIDE A SAME-SIDE ALTERNATE CIRCULATION PATH AND PEDESTRIANS WILL BE DETOURED, SECTION 6D.02 OF THE CA 2014 MUTCD SPECIFIES THAT THE ALTERNATE PATH PROVIDE A SIMILAR LEVEL OF ACCESSIBILITY TO THAT OF THE EXISTING DISRUPTED ROUTE . THIS MAY INCLUDE THE INCORPORATION OF ACCESSIBLE PEDESTRIAN SIGNALS (APS), CURB RAMPS, OR OTHER ACCESSIBILITY FEATURES.
21. PEDESTRIANS MAY BE DETOURED ONTO PRIVATE PROPERTY ONLY IF WRITTEN PERMISSION FROM THE PROPERTY OWNER IS OBTAINED ALONG WITH DOCUMENTATION INDICATING THAT THE COUNTY WOULD NOT BE LIABLE (HOLD HARMLESS) IN THE EVENT OF AN ACCIDENT.
22. DURING WORK HOURS, AT LEAST ONE WORKER SHALL BE ASSIGNED WITH THE RESPONSIBILITY TO ESCORT ELDERLY, DISABLED OR ANY OTHER PEDESTRIANS IN NEED OF ASSISTANCE THROUGH THE CONSTRUCTION SITE. A WORKER ASSIGNED WITH THIS RESPONSIBILITY MAY ALSO PARTICIPATE IN OTHER CONSTRUCTION ACTIVITIES; HOWEVER, THE ASSIGNED WORKER SHALL BE AWARE OF HIS OR HER RESPONSIBILITIES FOR PROVIDING THIS ASSISTANCE. MEASURES THAT SIMPLY CLOSE THE SIDEWALK, WITH THE EXCEPTION THAT PEDESTRIANS WILL CROSS SOMEWHERE ELSE DOES NOT ADEQUATELY SATISFY PEDESTRIAN ACCESS. PEDESTRIANS SHOULD NEVER BE DIRECTED/ EXPECTED TO CROSS A MULTI-LANE ROADWAY AT ANY LOCATION OTHER THAN AT A SIGNAL (OR ALL-WAY STOP). ACCOMMODATIONS SHOULD BE MADE ON THE SAME SIDE OF ROADWAY AS WORK.

TABLES CHART - 2014 MUTCD

Posted Speed	Taper (L) Formula	Buffer Space	Minimum Taper Lengths									Maximum *Cone Spacing			Sign Spacing
			10' Offset			11' Offset			12' Offset						
			L Merge	1/2 L Shift	1/3 L Shoulder	L Merge	1/2 L Shift	1/3 L Shoulder	L Merge	1/2 L Shift	1/3 L Shoulder	@ Taper	@ Tangent	@ Conflict	
25	$L = \frac{WS^2}{60}$	155'	104'	52'	35'	115'	57'	38'	125'	63'	42'	25'	50'	12'	100' - 200'
30		200'	150'	75'	50'	165'	83'	55'	180'	90'	60'	30'	60'	15'	120' - 240'
35		250'	204'	102'	68'	225'	112'	75'	245'	123'	82'	35'	70'	17'	140' - 280'
40		305'	267'	133'	89'	293'	147'	98'	320'	160'	107'	40'	80'	20'	160' - 320'
45	L = WS	360'	450'	225'	150'	495'	248'	165'	540'	270'	180'	45'	90'	22'	360' - 540'
50		425'	500'	250'	167'	550'	275'	183'	600'	300'	200'	50'	100'	25'	400' - 600'
55		495'	550'	275'	183'	605'	303'	202'	660'	330'	220'	55'	110'	27'	440' - 660'
60		570'	600'	300'	200'	660'	330'	220'	720'	360'	240'	60'	120'	30'	480' - 720'
65		645'	650'	325'	217'	715'	358'	238'	780'	390'	260'	65'	130'	32'	520' - 780'
70		730'	700'	350'	233'	770'	385'	257'	840'	420'	280'	70'	140'	35'	560' - 840'

Both are based on.
1.) 85th % Tile or if not available, then use Posted Speed Limit (PSL)

L = Taper Length
S = Speed
W = Width (Offset from path of travel

*Cones shown on the templates are illustration purposes only. Exact number of cones required shall be based on cone spacing, taper lengths, actual field conditions, etc..

CA MUTCD 2014 TABLE 6C-1

MEANING OF LETTER CODES ON TYPICAL APPLICATION DIAGRAMS

ROAD TYPE	DISTANCE BETWEEN SIGNS		
	A	B	C
URBAN (LOW SPEED) - 25 MPH OR LESS	100 FEET	100 FEET	100 FEET
URBAN (LOW SPEED) - MORE THAN 25 MPH TO 40 MPH	250 FEET	250 FEET	250 FEET
URBAN (HIGH SPEED) - MORE THAN 40 MPH	350 FEET	350 FEET	350 FEET
RURAL	500 FEET	500 FEET	500 FEET
EXPRESSWAY / FREEWAY	1,000 FEET	1,500 FEET	2,640 FEET

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DESIGNED JSH
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SYMBOL LEGEND

- CONSTRUCTION SIGN
- FLAGGER
- 28" CONE
- TYPE I BARRICADE
- TYPE III BARRICADE
- NO PARKING SIGN ON TYPE I BARRICADE
- FLASHING ARROW BOARD (FAS)

NOTES

- CONTRACTOR SHALL MAINTAIN/PROVIDE ACCESS TO ALL DRIVEWAYS AFFECTED BY THE WORK AREA.
- CONTRACTOR SHALL ASSIGN A WORKER TO ASSIST PEDESTRIANS AROUND WORK AREA.
- CONTRACTOR SHALL MAINTAIN A MINIMUM 4' PATH OF TRAVEL FOR PEDESTRIANS.
- MAXIMUM CHANNELIZING DEVICE SPACING FOR ALL SPEEDS ON ONE-LANE/TWO-WAY TAPERS IS 20'.
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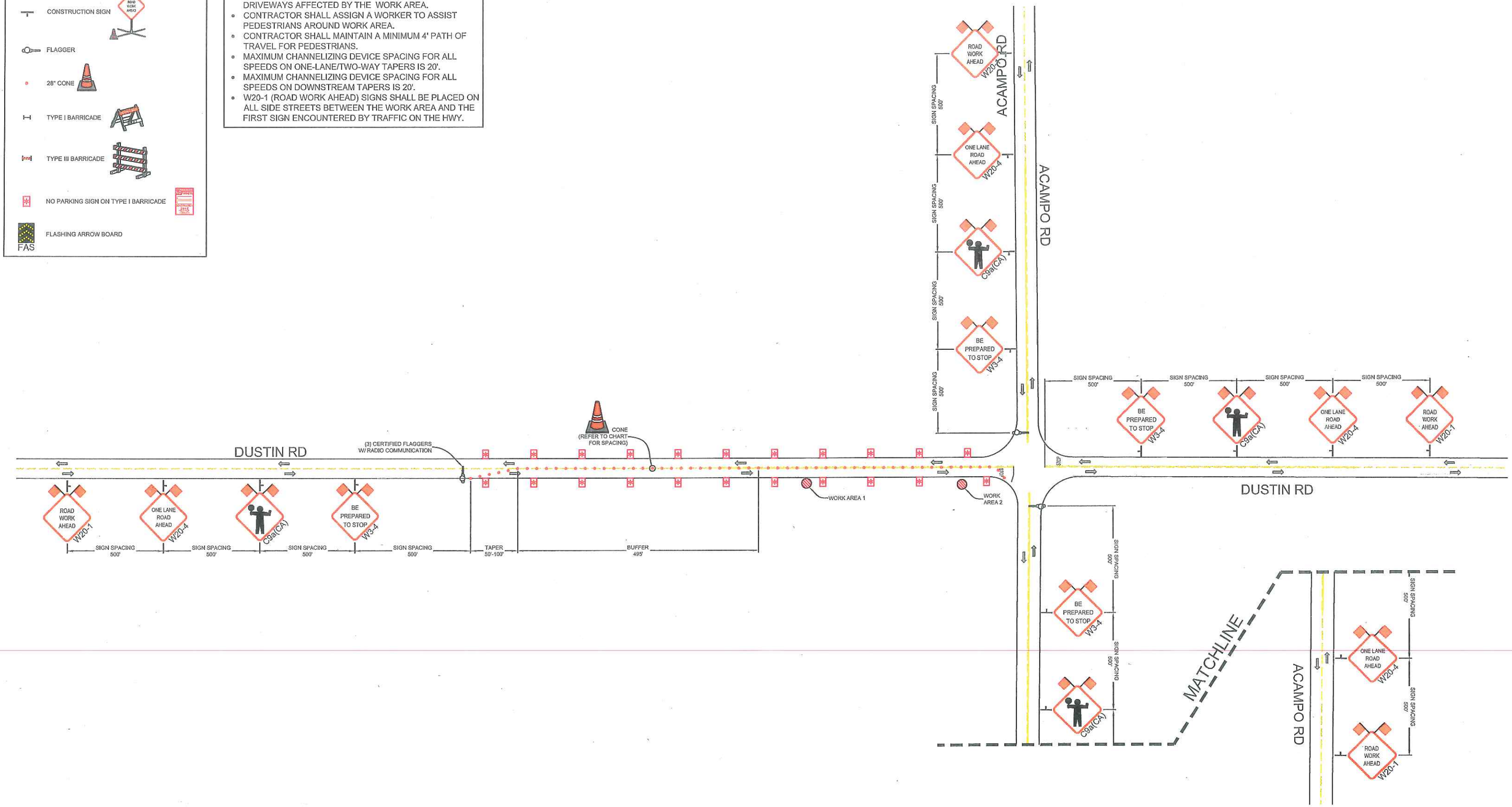

CONST. HOURS: 8:00AM - 4:00PM MON-FRI

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PM31104282

ROADS < 50 MPH: MINIMUM 36" SIGN PANELS (48" SIGNS MAY BE USED)

ROADS ≥ 50 MPH: MINIMUM 48" SIGN PANELS

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EL DORADO HILLS, CA 95762
(888) 306-1211 OFFICE (888) 768-7022 FAX
CA C31 LIC #979806

LOCATION DUSTIN RD & ACAMPO RD, ACAMPO, CALIFORNIA

Pacific Gas and Electric Company

CONTACT BRODIE CROTTS-HANNIBAL
PHONE# (916) 760-1931

PROJECT NO. 150188
DRAWN JEL
DESIGNED JSH
CHECKED CAA

DATE
FEBRUARY 20, 2015

SHEET NO. 3 OF 8

SYMBOL LEGEND

- CONSTRUCTION SIGN
- FLAGGER
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- TYPE I BARRICADE
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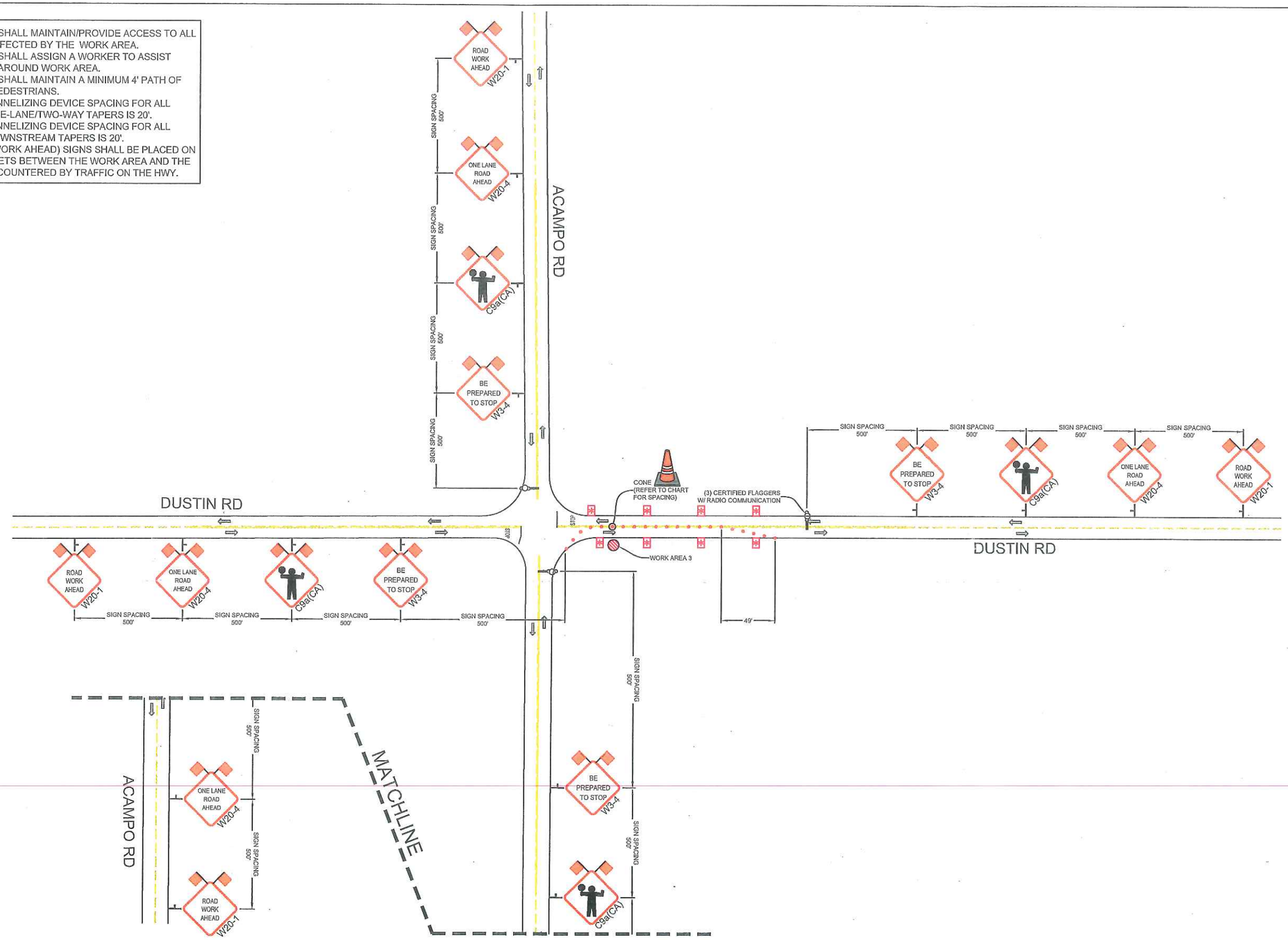

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SHEET NO. 4 OF 8

SYMBOL LEGEND

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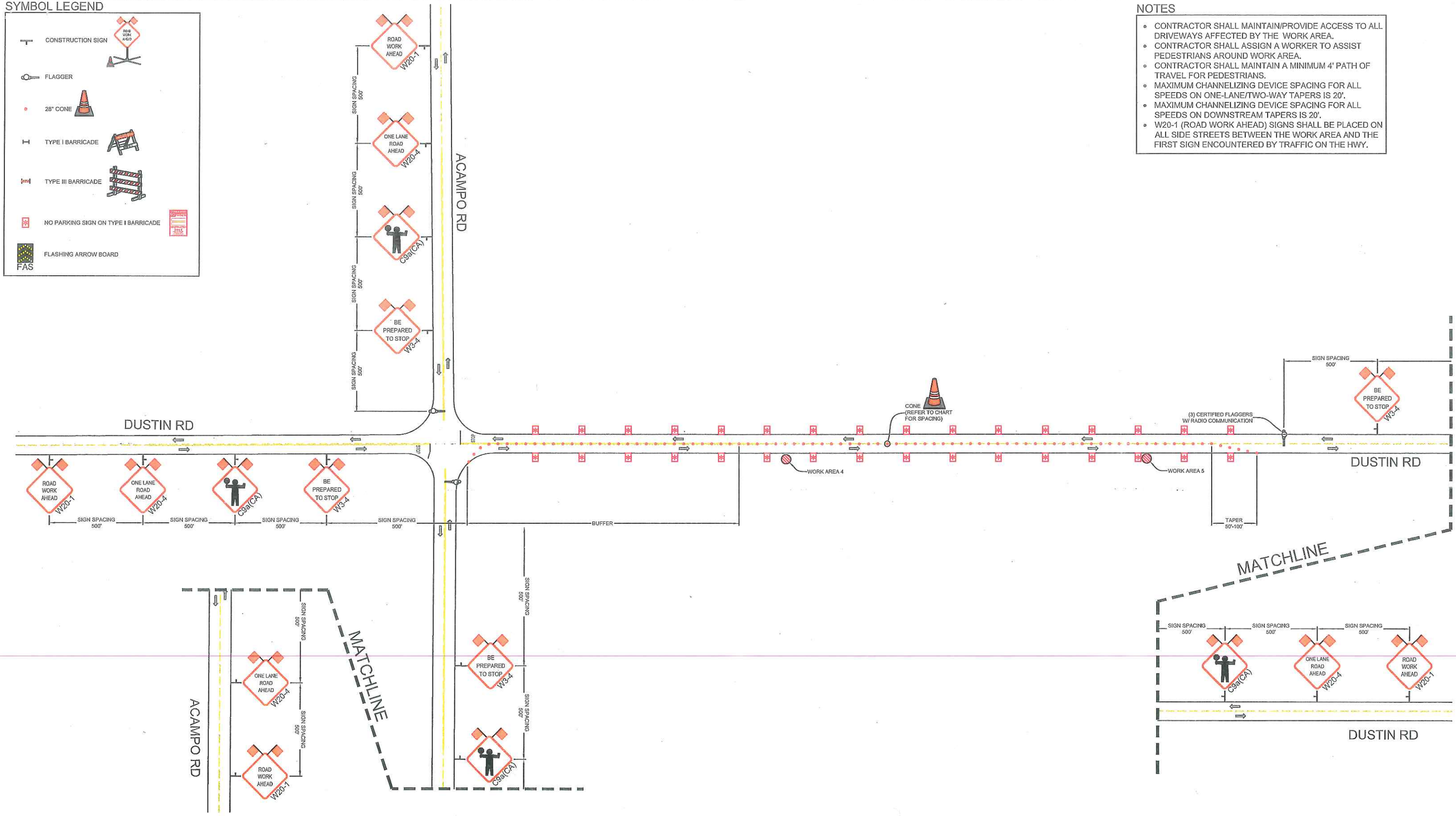

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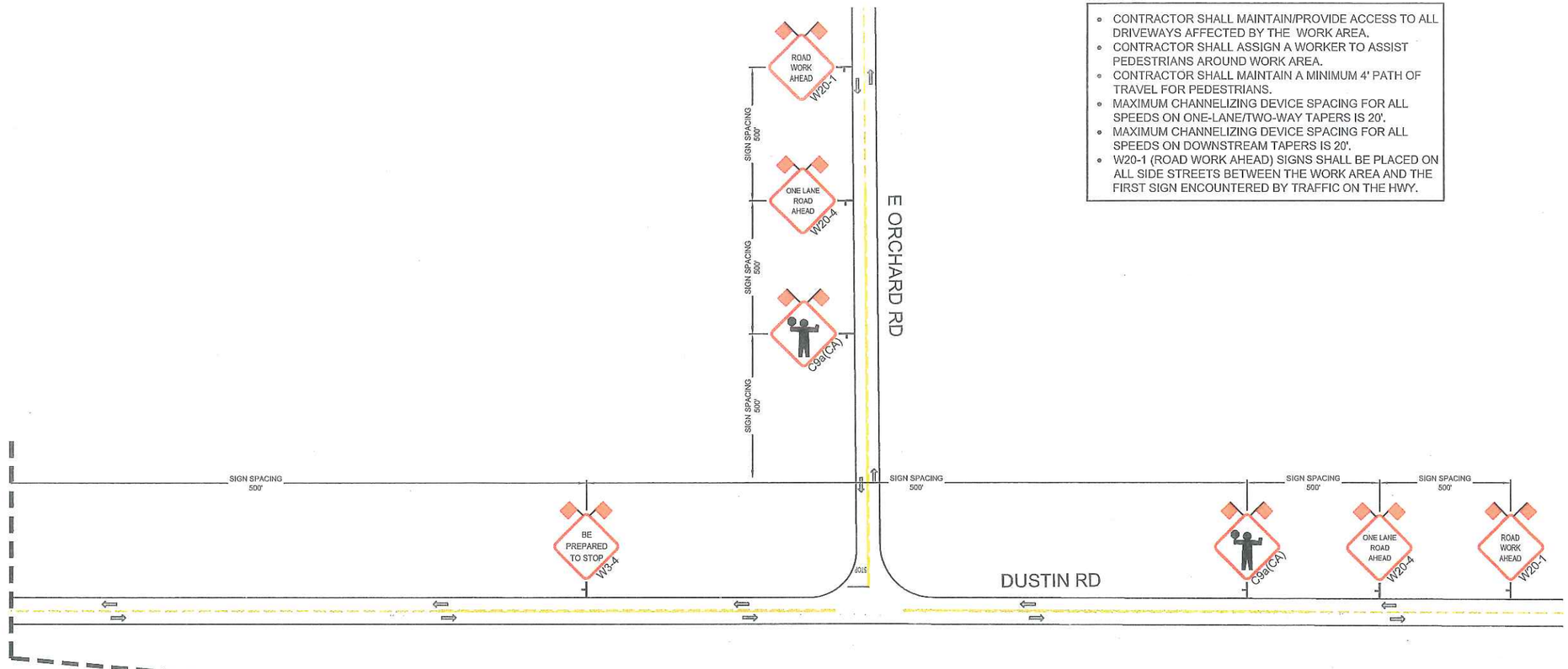

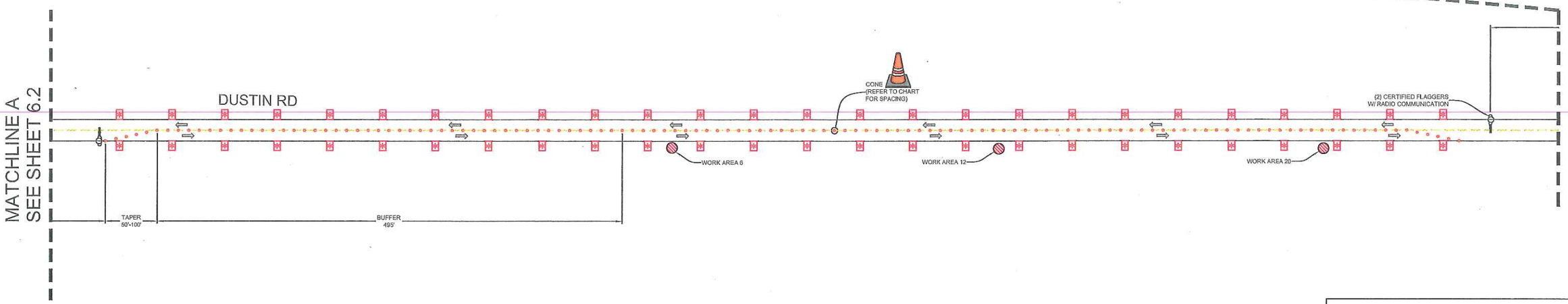

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SHEET NO. 6.2 OF 8

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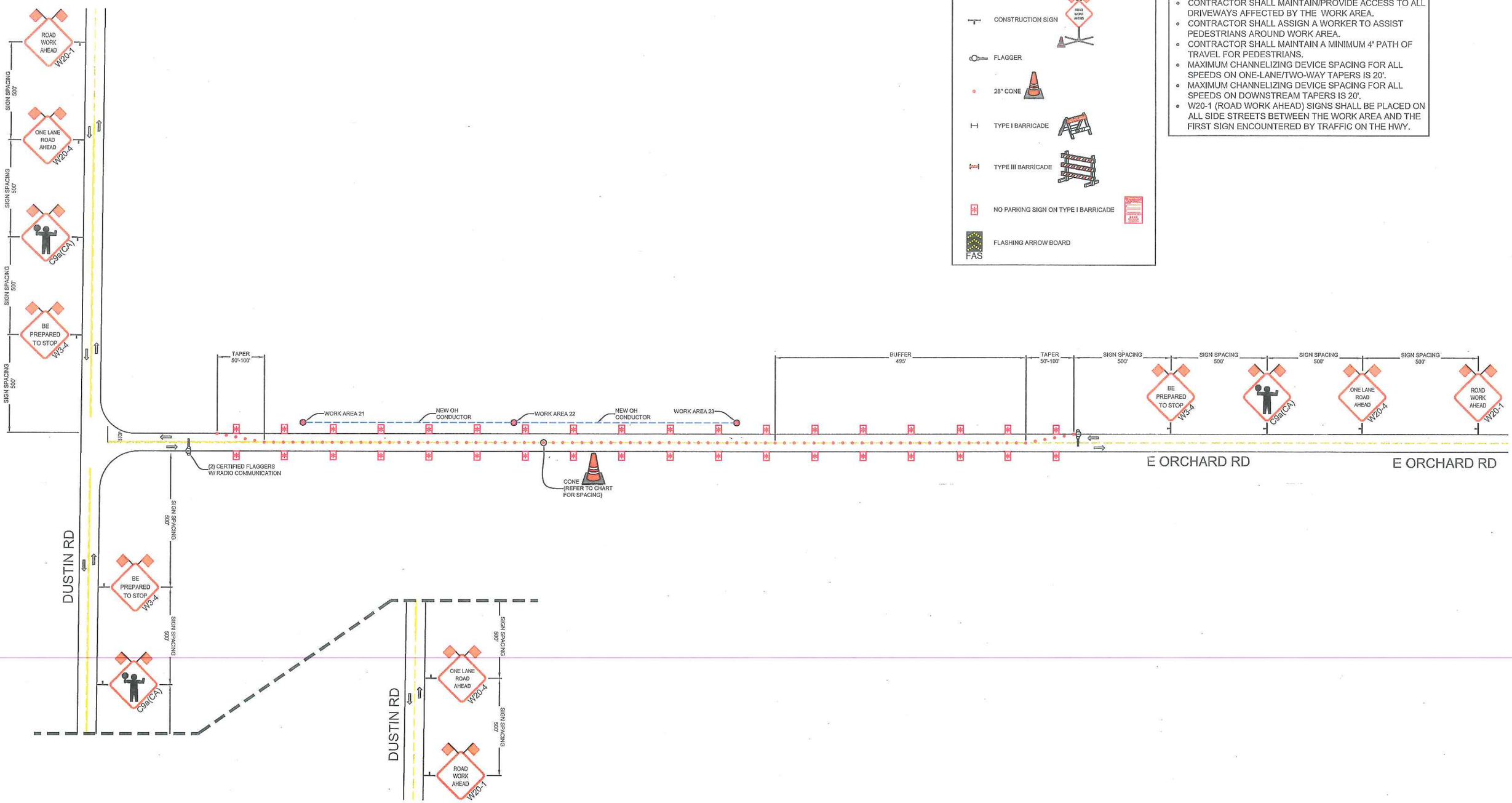
- FLASHING ARROW BOARD (FAS)

NOTES

- CONTRACTOR SHALL MAINTAIN/PROVIDE ACCESS TO ALL DRIVEWAYS AFFECTED BY THE WORK AREA.
- CONTRACTOR SHALL ASSIGN A WORKER TO ASSIST PEDESTRIANS AROUND WORK AREA.
- CONTRACTOR SHALL MAINTAIN A MINIMUM 4' PATH OF TRAVEL FOR PEDESTRIANS.
- MAXIMUM CHANNELIZING DEVICE SPACING FOR ALL SPEEDS ON ONE-LANE/TWO-WAY TAPERS IS 20'.
- MAXIMUM CHANNELIZING DEVICE SPACING FOR ALL SPEEDS ON DOWNSTREAM TAPERS IS 20'.
- W20-1 (ROAD WORK AHEAD) SIGNS SHALL BE PLACED ON ALL SIDE STREETS BETWEEN THE WORK AREA AND THE FIRST SIGN ENCOUNTERED BY TRAFFIC ON THE HWY.



CONST. HOURS: 8:00AM - 4:00PM MON-FRI

REVISIONS			
REV.	DESCRIPTION	REV DONE BY	DATE

PM31104282

ROADS < 50 MPH: MINIMUM 36" SIGN PANELS (48" SIGNS MAY BE USED)

ROADS ≥ 50 MPH: MINIMUM 48" SIGN PANELS

ALMENDARIZ CONSULTING ACKNOWLEDGES NO RESPONSIBILITY IN THE CASE OF ANY ACCIDENT, INJURY, OR DEATH OCCURRING DURING THE USE OF THESE PLANS. PLANS ARE NOT TO BE DUPLICATED FOR USE BY ANY PERSONS NOT INCLUDED IN THIS CONTRACT WITHOUT THE CONSENT OF ACI OR OWNER.

ALMENDARIZ CONSULTING INC
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LOCATION DUSTIN RD & ACAMPO RD, ACAMPO, CALIFORNIA

Pacific Gas and Electric Company

CONTACT BRODIE CROTTS-HANNIBAL
PHONE# (916) 760-1931

PROJECT NO. 150188
DRAWN JEL
DESIGNED JSH
CHECKED CAA

DATE
FEBRUARY 20, 2015

N

SHEET NO. 7 OF 8

SYMBOL LEGEND

- CONSTRUCTION SIGN
- FLAGGER
- 28" CONE
- TYPE I BARRICADE
- TYPE III BARRICADE
- NO PARKING SIGN ON TYPE I BARRICADE
- FLASHING ARROW BOARD (FAS)

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