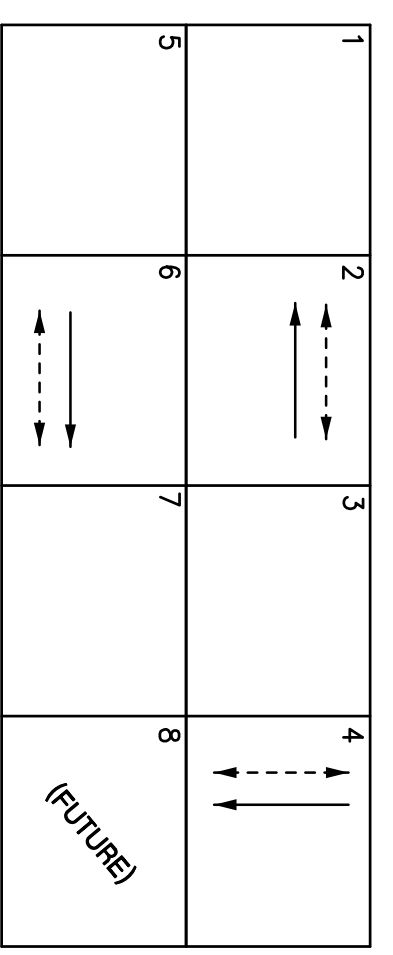


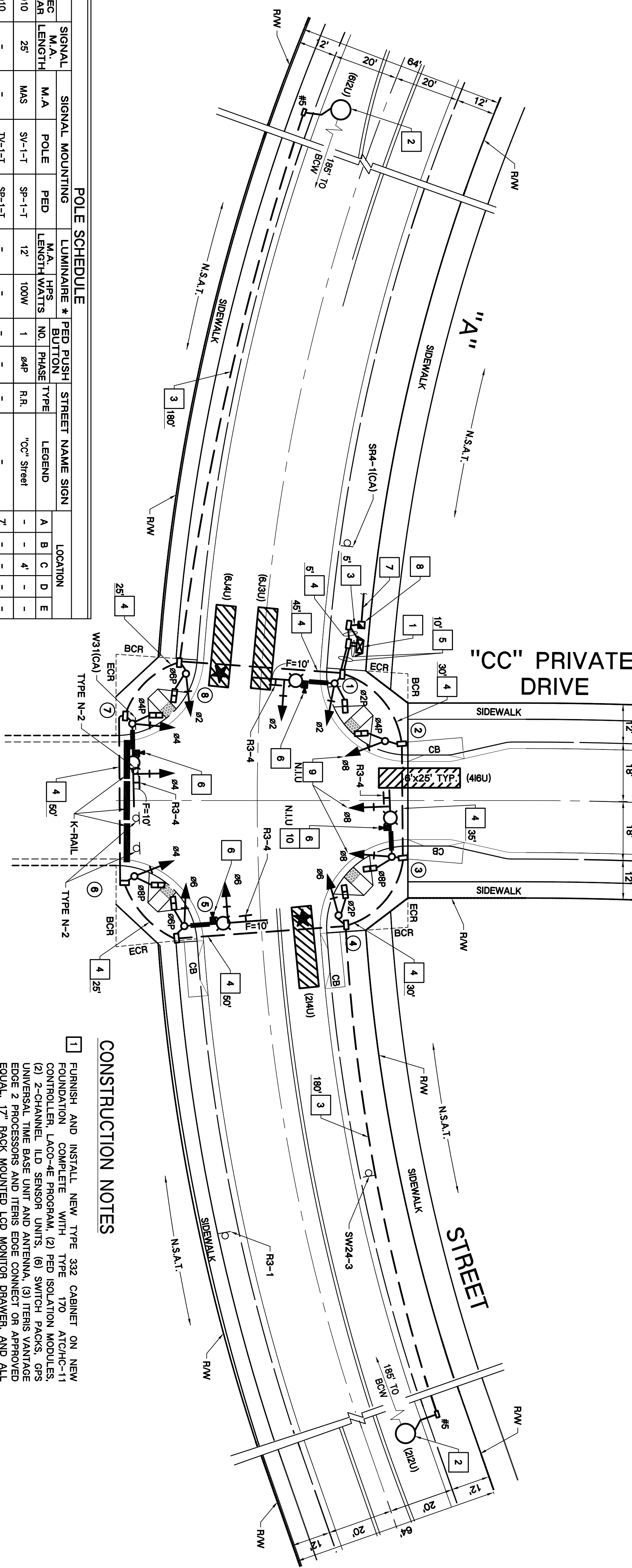
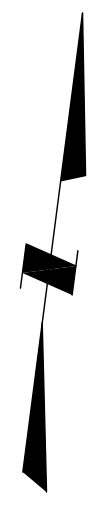
**PROPOSED SIGNAL PHASE DIAGRAM**



OPERATION:  
 #2 & #6 ON VEHICLE RECALL.  
 #4 ON NON-LOCK AND TIME DELAY FOR RT.  
 #2 AND #6 ON PED CALL AND REST IN WALK.

**GENERAL NOTES:**

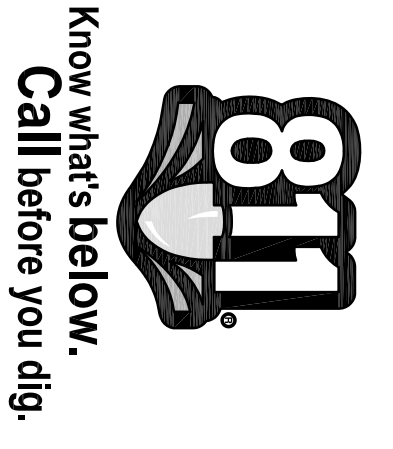
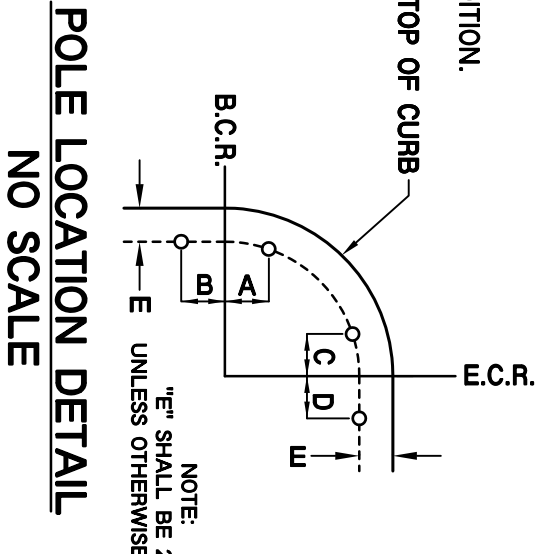
- TRAFFIC SIGNAL, LIGHTING, AND ELECTRICAL SYSTEMS SHALL CONFORM TO THE LOS ANGELES COUNTY STANDARDS WHICH INCLUDE THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 2012 EDITION, AND THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC SIGNAL CONTROL EQUIPMENT SPECIFICATIONS, LATEST EDITION, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIAL PROVISIONS.
- ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- THE GPS UNIVERSAL TIME BASE UNIT AND ANTENNA SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE GPS UNIVERSAL TIME BASE UNIT ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
- ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE PROPOSED OR EXISTING SIGNAL PHASE DIAGRAM.
- (XXXX) INDICATES LOOP/VIDEO DETECTION ZONE ASSIGNMENT IN THE CONTROLLER CABINET. EACH LOOP ASSIGNMENT SHALL HAVE A SEPARATE LEAD-IN CABLE TO THE CONTROLLER.
- INDICATES PROPOSED VIDEO DETECTION ZONE.
- INDICATES VIDEO DETECTION CAMERA.
- ★ DENOTES PROPOSED QUEUE DETECTION.
- ALL LOOPS SHALL BE CENTERED IN THE MIDDLE OF THE LANE UNLESS OTHERWISE NOTED.
- ALL LOOPS SHALL BE ROUND (6" DIAMETER), UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE NO. 6 UNLESS SHOWN OTHERWISE.
- ALL NEW UNDERGROUND CONDUIT SHALL BE SCHEDULE 80 PVC, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- THREE-CONDUCTOR CABLE (6393), FIVE-CONDUCTOR CABLE (6393), AND TWELVE-CONDUCTOR CABLE (72030) SHALL BE INSTALLED IN LIEU OF INDIVIDUAL CONDUCTORS AND SHALL CONFORM TO SECTION 86-2.08B OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS. NO OTHER TRAFFIC SIGNAL (TS) MULTI-CONDUCTOR CABLE WILL BE ACCEPTED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- NEW VEHICLE HEADS SHALL BE 12" LED. (LIGHT EMITTING DIODE). THE VEHICLE HEADS PER LOS ANGELES COUNTY DPW SPECIFICATIONS. (SEE SPECIAL PROVISIONS).
- NEW PEDESTRIAN HEADS SHALL BE COUNTDOWN LED (LIGHT EMITTING DIODE). (SEE SPECIAL PROVISIONS).
- ALL NEW PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT.
- POLE LOCATIONS SHOWN HEREON ARE APPROXIMATE. PRECISE LOCATIONS SHALL BE ESTABLISHED IN THE FIELD AND VERIFIED BY THE PROJECT ENGINEER.
- ALL NEW SIGNAL POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED NO FURTHER THAN 5 FEET FROM THE BACK OF CROSSWALK UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MAINTAIN PROPER ADA CLEARANCES AROUND ALL NEW POLES, CABINETS OR ANY OTHER ABOVE-GROUND EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT. ALL NEW POLES, CONDUIT, AND PULL BOXES SHALL BE INSTALLED OUTSIDE OF CURB ACCESS RAMPS.
- THE 3-INCH CONDUIT FROM THE EDISON PULL BOX TO THE SERVICE CABINET SHALL BE INSTALLED PER SEE COMPANY REQUIREMENTS. FOR ELECTRICAL SERVICE CONNECTION, CALL SOUTHERN CALIFORNIA EDISON COMPANY, MR. SCOTT WALKER AT (661) 257-8295. APPLICABLE SERVICE CONNECTION, RISER COSTS, AND CONSTRUCTION TAX SHALL BE PAID BY THE CONTRACTOR.
- SERVICE POINT SHALL BE DESIGNATED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL INSTALL CONDUIT AND CONDUCTORS FROM THE SERVICE CABINET TO THE DESIGNATED SERVICE POINT. SEE SPECIAL PROVISIONS.
- EXACT LOCATION OF ALL SHOWN UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY.
- CONTACT LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, TRAFFIC AND LIGHTING DIVISION, TRAFFIC SYSTEMS SECTION AT (626) 300-4709 ONE MONTH IN ADVANCE OF SIGNAL CONSTRUCTION TO COORDINATE SIGNAL TIMING AND IMPLEMENTATION.
- TWO-PAIR DLC SHALL BE USED THROUGHOUT THE EXTENT OF THE INSTALLATION UNLESS OTHERWISE NOTED. SEE SPECIAL PROVISIONS.
- VIDEO DETECTION SYSTEM AND CAMERA SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. MANUFACTURER'S REPRESENTATIVE SHALL BE PRESENT DURING INSTALLATION OF VIDEO DETECTION SYSTEM AND CAMERA. SEE SPECIAL PROVISIONS.
- ALL PULL BOXES IN DIRT AREAS SHALL HAVE STEEL COVERS.



**POLE SCHEDULE**

POLE No.	TYPE	SIGNAL M.A. LENGTH	SIGNAL MOUNTING M.A. POLE	PEDESTRIAN MOUNTING M.A. LENGTH	STREET NAME SIGN	LEGEND	LOCATION
1	19-4-100	25'	SV-1-T	SP-1-T	"CC" Street	-	A - 4' -
2	1A-10'	-	TV-1-T	SP-1-T	-	-	7' -
3	15TS	-	SV-1-T	SP-1-T	-	-	6' -
4	1A-10'	-	TV-1-T	SP-1-T	-	-	5' -
5	19-4-100	25'	SV-1-T	SP-1-T	"CC" Street	-	4' -
6	1A-10'	-	TV-1-T	SP-1-T	-	-	6' -
7	19-4-100	25'	SV-1-T	SP-1-T	A Street	-	5' -
8	1A-10'	-	TV-1-T	SP-1-T	-	-	4' -

ALL EQUIPMENT IS NEW.  
 R.R. - RETRO REFLECTIVE STREET NAME SIGN.  
 \* INSTALL HIGHWAY SAFETY LIGHT WITH LED EQUIVALENTS FOR HPS PER SPECIAL PROVISIONS.  
 ALL SIGNAL MOUNTINGS SHALL BE PER STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.  
 ALL NEW SIGNAL POLES AND MAST ARMS SHALL BE PER CALTRANS STANDARD PLANS, 2010 EDITION.



**CONSTRUCTION NOTES**

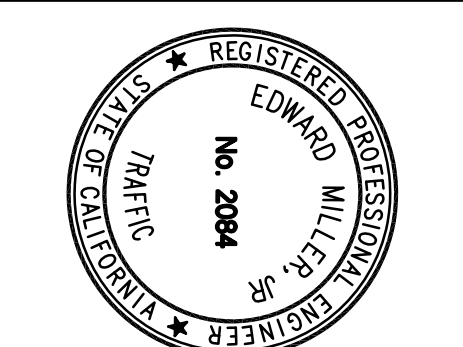
- FURNISH AND INSTALL NEW TYPE 332 CABINET ON NEW FOUNDATION COMPLETE WITH TYPE 170 ATCH-11 CONTROLLER, LACD-4E PROGRAM, (2) PED ISOLATION MODULES, (2) 2-CHANNEL ILD SENSOR UNITS, (6) SWITCH PACKS, GPS UNIVERSAL TIME BASE UNIT AND ANTENNA, (3) TERRIS VANTAGE EDGE 2 PROCESSORS AND TERRIS EDGE CONNECT OR APPROVED EQUAL 17" RACK MOUNTED LOG MONITOR, DRAWER, AND ALL OTHER EQUIPMENT DESIGNATED FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN. SEE SPECIAL PROVISIONS.
- INSTALL (LOOKS) AS SHOWN.
- INSTALL 2" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL 3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST ARM WITH PIPE EXTENSION PER MANUFACTURER'S SPECIFICATIONS. SEE SPECIAL PROVISIONS.
- INSTALL 3" PVC CONDUIT PER SEE SPECIFICATION. SEE GENERAL NOTE 22.
- INSTALL NEW TYPE III-BF ANODIZED ALUMINUM UNDERGROUND SIGNAL COMPLETE WITH FOUNDATION AND BATTERY BACKUP SYSTEM PER COUNTY OF LOS ANGELES DPW SPECIFICATIONS (SEE SPECIAL PROVISIONS).
- SIGNAL EQUIPMENT DESIGNATED AS NLU (NOT IN USE) SHALL BE POWERED DOWN (OFF) AND LENSES COVERED. THE COVER SHALL BE MADE OF PLASTIC OR ALUMINUM TO LAST UNTIL FUTURE DEVELOPMENT IS COMPLETED.
- VIDEO DETECTION CAMERA DESIGNATED AS NLU (NOT IN USE) SHALL BE POWERED DOWN UNTIL FUTURE DEVELOPMENT IS COMPLETED.

**100% COUNTY OF LOS ANGELES**

**REVISIONS**

#	DATE	BY	CAD FILE NAME	PROJECT	#: _____

DESIGNED BY	GE/IKT
CHECKED BY	LT
APPROVED BY	TM
REVIEWED BY	TM



PREPARED BY:  
**ADIANTRC Consulting Engineers**  
 Traffic & Signal & Electrical  
 21700 Cogley Drive,  
 Suite 350  
 Diamond Bar, CA 91765  
 Tel: (909) 860-6222  
 Fax: (909) 860-6722  
 www.adiantrc-usa.com

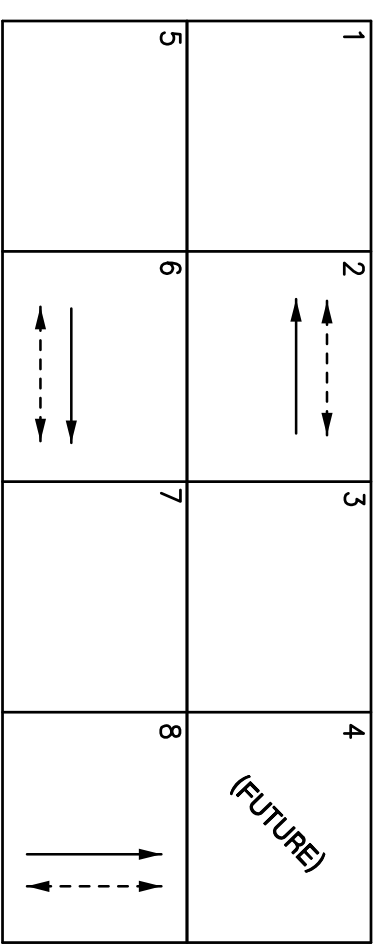
REVIEWED: COUNTY OF LOS ANGELES  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 RECOMMENDED: COUNTY OF LOS ANGELES  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED: GAIL FABER, DIRECTOR OF PUBLIC WORKS  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 ASSISTANT DEPUTY DIRECTOR

COUNTY OF LOS ANGELES  
 DEPARTMENT OF PUBLIC WORKS  
 TRAFFIC AND LIGHTING DIVISION  
**TRAFFIC SIGNAL INTERIM PLAN**  
**"A" STREET**  
**AT "CC" PRIVATE DRIVE**

T.G. 4549-H2

THIS PLAN EXPIRES TWO YEARS AFTER APPROVAL DATE

**PROPOSED SIGNAL PHASE DIAGRAM**

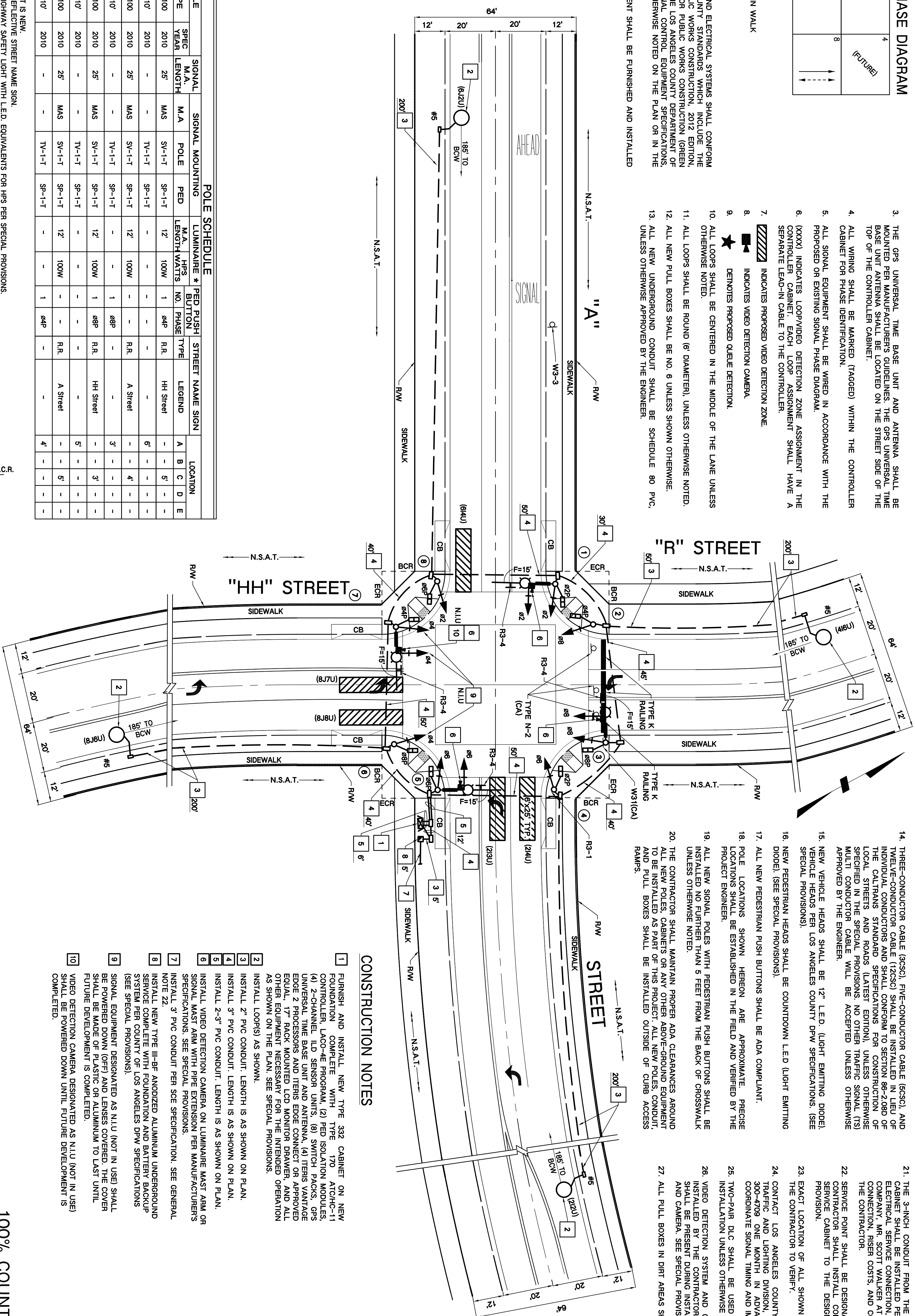


OPERATION:  
 #2 & #6 ON VEHICLE RECALL  
 #4 & #8 ON DOUBLE ENTRY  
 #2 & #6 ON PED RECALL AND REST IN WALK

**GENERAL NOTES:**

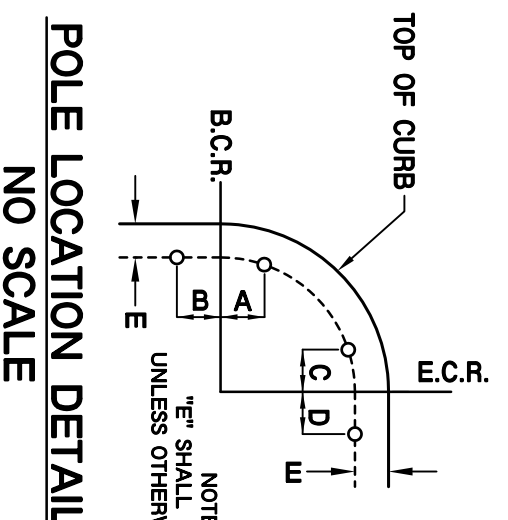
- TRAFFIC SIGNAL, LIGHTING, AND ELECTRICAL SYSTEMS SHALL CONFORM TO THE LOS ANGELES COUNTY STANDARD SPECIFICATIONS WHICH INCLUDE THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 2012 EDITION, AND THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC SIGNAL CONTROL EQUIPMENT SPECIFICATIONS LATEST EDITION, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIAL PROVISIONS.
- ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

- THE GPS UNIVERSAL TIME BASE UNIT AND ANTENNA SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE GPS UNIVERSAL TIME BASE UNIT ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
- ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE PROPOSED OR EXISTING SIGNAL PHASE DIAGRAM.
- (XXXX) INDICATES LOOP/VIDEO DETECTION ZONE ASSIGNMENT IN THE CONTROLLER CABINET. EACH LOOP ASSIGNMENT SHALL HAVE A SEPARATE LEAD-IN CABLE TO THE CONTROLLER.
- INDICATES PROPOSED VIDEO DETECTION ZONE
- INDICATES VIDEO DETECTION CAMERA
- INDICATES PROPOSED QUEUE DETECTION
- ALL LOOPS SHALL BE CENTERED IN THE MIDDLE OF THE LANE UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE NO. 6 UNLESS SHOWN OTHERWISE.
- ALL NEW UNDERGROUND CONDUIT SHALL BE SCHEDULE 80 PVC, UNLESS OTHERWISE APPROVED BY THE ENGINEER.



POLE SCHEDULE											
NO.	TYPE	SPEC YEAR	SIGNAL M.A. LENGTH	POLE M.A.	PED M.A.	LUMINAIRE #	HPS NO.	PED PUSH BUTTON NO.	STREET NAME SIGN TYPE	LEGEND	LOCATION
1	19-4-100	2010	25'	SV-1-T	SP-1-T	12'	100W	1	#4P	R.R.	A
2	19-4-10'	2010	-	TV-1-T	SP-1-T	-	-	-	-	-	B
3	19-4-100	2010	25'	SV-1-T	SP-1-T	12'	100W	-	-	R.R.	C
4	19-4-100	2010	25'	SV-1-T	SP-1-T	12'	100W	-	-	R.R.	D
5	19-4-100	2010	25'	SV-1-T	SP-1-T	12'	100W	1	#8P	R.R.	E
6	19-4-100	2010	25'	SV-1-T	SP-1-T	12'	100W	1	#8P	R.R.	F
7	19-4-100	2010	25'	SV-1-T	SP-1-T	12'	100W	-	-	R.R.	G
8	19-4-10'	2010	-	TV-1-T	SP-1-T	-	-	1	#4P	-	H

ALL EQUIPMENT IS NEW.  
 R.R. - RETRO REFLECTIVE STREET NAME SIGN.  
 \* INSTALL HIGHWAY SAFETY LIGHT WITH LED. EQUIVALENTS FOR HPS PER SPECIAL PROVISIONS.  
 ALL SIGNAL MOUNTINGS SHALL BE PER STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.  
 ALL NEW SIGNAL POLES AND MAST ARMS SHALL BE PER CALTRANS STANDARD PLANS, 2010 EDITION.



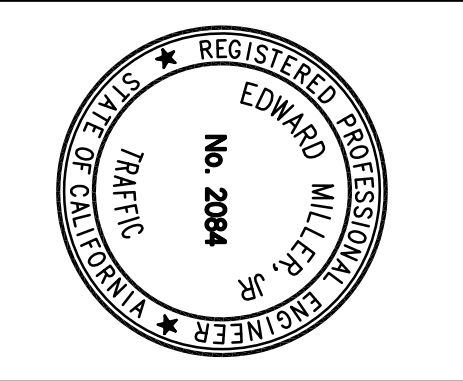
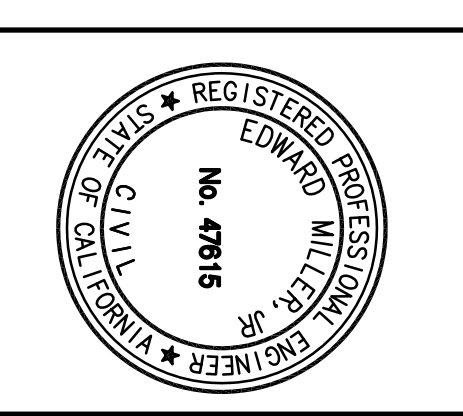
**CONSTRUCTION NOTES**

- FURNISH AND INSTALL NEW TYPE 322 CABINET ON NEW FOUNDATION. COMPLETE WITH TYPE 170 ATCHC-11 CONTROLLER, LACO-4E PROGRAM, (2) PED ISOLATION MODULES, (4) 2-CHANNEL I/O SENSOR UNITS, (8) SWITCH PACKS, GPS UNIVERSAL TIME BASE UNIT AND ANTENNA, (4) TERS VANTAGE EDGE 2 PROCESSORS AND TERS EDGE CONNECT OR APPROVED EQUAL, 17" RACK MOUNTED LCD MONITOR DRAWER, AND ALL OTHER EQUIPMENT NECESSARY FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN. SEE SPECIAL PROVISIONS.
- INSTALL LOOPS(S) AS SHOWN.
- INSTALL 2" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL 3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL 2-3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST ARM WITH PIPE EXTENSION PER MANUFACTURER'S SPECIFICATIONS. SEE SPECIAL PROVISIONS.
- INSTALL 3" PVC CONDUIT PER SEE SPECIFICATION. SEE GENERAL NOTE 22.
- INSTALL NEW TYPE III-9F ANODIZED ALUMINUM UNDERGROUND SERVICE COMPLETE WITH FOUNDATION AND BATTERY BACKUP SYSTEM PER COUNTY OF LOS ANGELES DPW SPECIFICATIONS (SEE SPECIAL PROVISIONS).
- SIGNAL EQUIPMENT DESIGNATED AS NLU (NOT IN USE) SHALL BE POWERED DOWN (OFF) AND UNLESS COVERED THE COVER SHALL BE MADE OF PLASTIC OR ALUMINUM TO LAST UNTIL FUTURE DEVELOPMENT IS COMPLETED.
- VIDEO DETECTION CAMERA DESIGNATED AS NLU (NOT IN USE) SHALL BE POWERED DOWN UNTIL FUTURE DEVELOPMENT IS COMPLETED.

- THREE-CONDUCTOR CABLE (3CSO), FIVE-CONDUCTOR CABLE (5CSO), AND TWELVE-CONDUCTOR CABLE (12CSO) SHALL BE INSTALLED IN LIEU OF INDIVIDUAL CONDUCTORS AND SHALL CONFORM TO SECTION 96-2.08D OF THE CALTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF LOCAL STREETS AND ROADS (LATEST EDITION), UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS. NO OTHER TRAFFIC SIGNAL (TS) MULTI CONDUCTOR CABLE WILL BE ACCEPTED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- NEW VEHICLE HEADS SHALL BE 12" LED (LIGHT EMITTING DIODE) VEHICLE HEADS PER LOS ANGELES COUNTY DPW SPECIFICATIONS. (SEE SPECIAL PROVISIONS).
- NEW PEDESTRIAN HEADS SHALL BE COUNTDOWN LED (LIGHT EMITTING DIODE). (SEE SPECIAL PROVISIONS).
- ALL NEW PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT.
- POLE LOCATIONS SHOWN HEREON ARE APPROXIMATE. PRECISE LOCATIONS SHALL BE ESTABLISHED IN THE FIELD AND VERIFIED BY THE PROJECT ENGINEER.
- ALL NEW SIGNAL POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED NO FURTHER THAN 5 FEET FROM THE BACK OF CROSSWALK UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MAINTAIN PROPER ADA CLEARANCES AROUND ALL NEW POLES. CABINETS OR ANY OTHER ABOVE-GROUND EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT. ALL NEW POLES, CONDUIT AND PULL BOXES SHALL BE INSTALLED OUTSIDE OF CURB ACCESS RAMPS.
- EXACT LOCATION OF ALL SHOWN UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY.
- CONTACT LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC AND LIGHTING DIVISION, TRAFFIC SYSTEMS SECTION AT (832) 297-6285 FOR MORE INFORMATION AND IMPLEMENTATION.
- TWO-PAIR DLC SHALL BE USED THROUGHOUT THE EXTENT OF THE INSTALLATION UNLESS OTHERWISE NOTED. SEE SPECIAL PROVISIONS.
- VIDEO DETECTION SYSTEM AND CAMERA SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. MANUFACTURER'S REPRESENTATIVE SHALL BE PRESENT DURING INSTALLATION OF VIDEO DETECTION SYSTEM AND CAMERA. SEE SPECIAL PROVISIONS.
- ALL PULL BOXES IN DIRT AREAS SHALL HAVE STEEL COVERS.

REVISIONS					
#	DATE	BY	CAD FILE NAME	PROJECT	##

T.G. 4549-H2



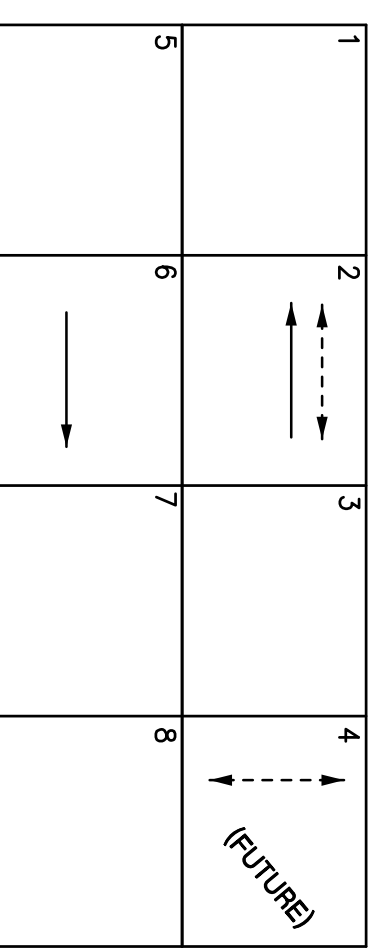
PREPARED BY:  
**ADIANTRC Consulting Engineers**  
 21700 Cogey Drive,  
 Suite 350  
 Diamond Bar, CA 91765  
 Tel: (909) 860-6222  
 Fax: (909) 860-6722  
 www.adiantrc-usa.com

REVIEWED: COUNTY OF LOS ANGELES  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 RECOMMENDED: COUNTY OF LOS ANGELES  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED: GAIL FABER, DIRECTOR OF PUBLIC WORKS  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 ASSISTANT DEPUTY DIRECTOR

100% COUNTY OF LOS ANGELES  
 COUNTY OF LOS ANGELES  
 DEPARTMENT OF PUBLIC WORKS  
 TRAFFIC AND LIGHTING DIVISION  
 TRAFFIC SIGNAL INTERIM PLAN  
 "A" STREET  
 AT "HH" ST./"R" ST.  
 TR 061105 SH: 1 OF 1 SCALE: 1"= 20' T.S. 6167

THIS PLAN EXPIRES TWO YEARS AFTER APPROVAL DATE

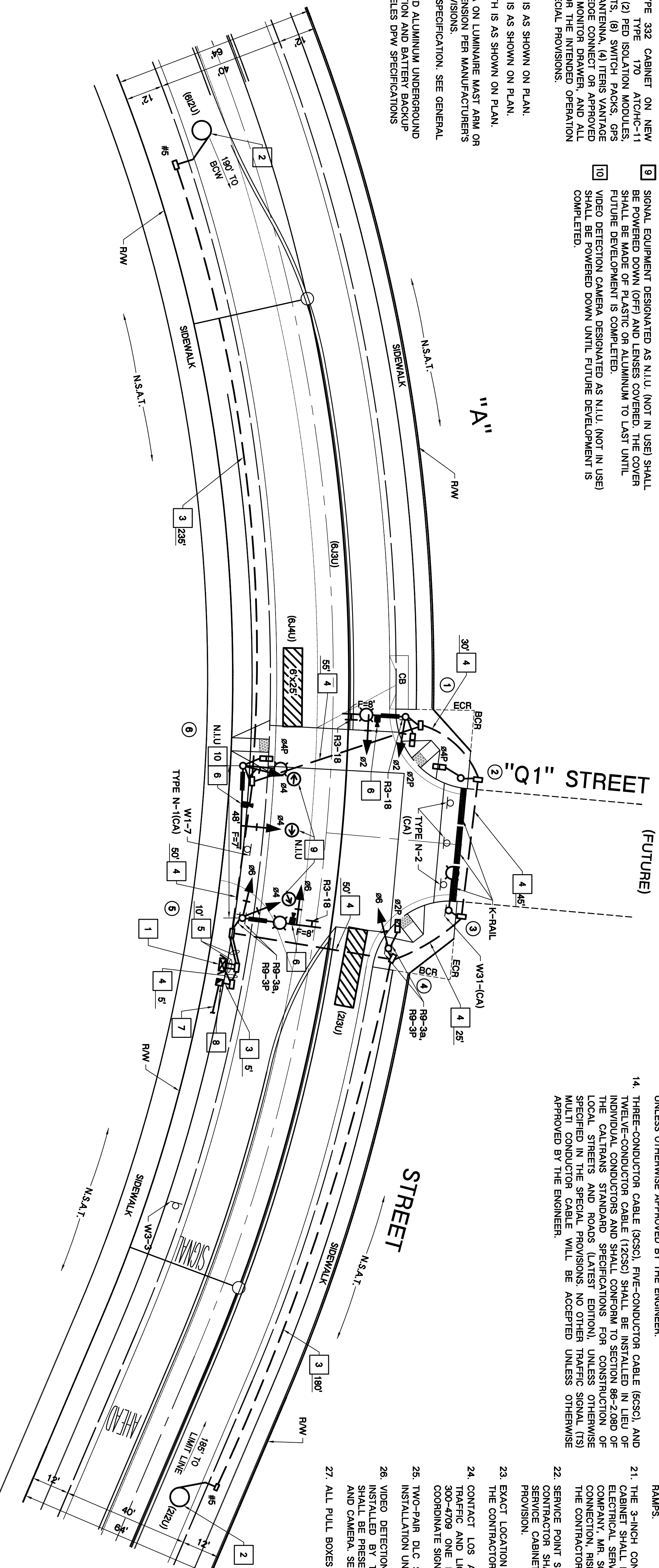
**PROPOSED SIGNAL PHASE DIAGRAM**



OPERATION:  
#2 ON VEHICLE RECALL.  
#2 ON PED RECALL & REST IN WALK.

**CONSTRUCTION NOTES**

- 1 FURNISH AND INSTALL NEW TYPE 332 CABINET ON NEW FOUNDATION COMPLETE WITH TYPE 170 ATCH-C-11 CONTROLLER LACO-4E PROGRAM, (2) PED ISOLATION MODULES, (4) 2-GHANNEL, LID SENSOR UNITS, (8) SWITCH PACKS, GPS UNIVERSAL TIME BASE UNIT AND ANTENNA, (4) ITEMS VANTAGE EDGE 2 PROCESSORS AND ITEMS EDGE CONNECT OR APPROVED EQUAL, 17" RACK MOUNTED LOD MONITOR DRAWER, AND ALL OTHER EQUIPMENT NECESSARY FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN, SEE SPECIAL PROVISIONS.
- 2 INSTALL 2" PVC CONDUIT, LENGTH IS AS SHOWN ON PLAN.
- 3 INSTALL 3" PVC CONDUIT, LENGTH IS AS SHOWN ON PLAN.
- 4 INSTALL 2-3" PVC CONDUIT, LENGTH IS AS SHOWN ON PLAN.
- 5 INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST ARM WITH PIPE EXTENSION PER MANUFACTURER'S SPECIFICATIONS, SEE SPECIAL PROVISIONS.
- 6 INSTALL 3" PVC CONDUIT PER SOE SPECIFICATION, SEE GENERAL NOTE 22.
- 7 INSTALL NEW TYPE III-BF ANODIZED ALUMINUM UNDERGROUND SERVICE COMPLETE WITH FOUNDATION AND BATTERY BACKUP SYSTEM PER COUNTY OF LOS ANGELES DPW SPECIFICATIONS (SEE SPECIAL PROVISIONS).
- 8 SIGNAL EQUIPMENT DESIGNATED AS NLU (NOT IN USE) SHALL BE POWERED DOWN (OFF) AND LENSES COVERED, THE COVER SHALL BE MADE OF PLASTIC OR ALUMINUM TO LAST UNTIL FUTURE DEVELOPMENT IS COMPLETED.
- 9 VIDEO DETECTION CAMERA DESIGNATED AS NLU (NOT IN USE) SHALL BE POWERED DOWN UNTIL FUTURE DEVELOPMENT IS COMPLETED.

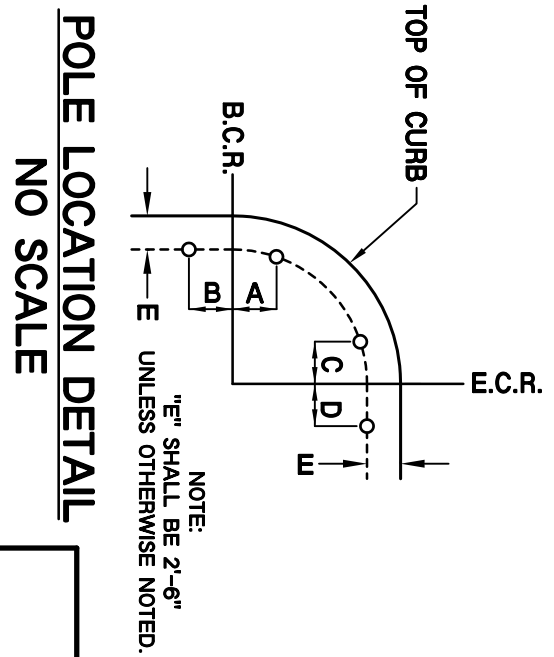


**GENERAL NOTES:**

1. TRAFFIC SIGNAL, LIGHTING, AND ELECTRICAL SYSTEMS SHALL CONFORM TO THE LOS ANGELES COUNTY STANDARDS WHICH INCLUDE THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 2012 EDITION, AND THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC SIGNAL EQUIPMENT SPECIFICATIONS, LATEST EDITION, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIAL PROVISIONS.
2. ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
3. THE GPS UNIVERSAL TIME BASE UNIT AND ANTENNA SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE GPS UNIVERSAL TIME BASE UNIT ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
4. ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
5. ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE PROPOSED OR EXISTING SIGNAL PHASE DIAGRAM.
6. (XXX) INDICATES LOOP/VIDEO DETECTION ZONE ASSIGNMENT IN THE CONTROLLER CABINET. EACH LOOP ASSIGNMENT SHALL HAVE A SEPARATE LEAD-IN CABLE TO THE CONTROLLER.
7. [Symbol] INDICATES PROPOSED VIDEO DETECTION ZONE.
8. [Symbol] INDICATES VIDEO DETECTION CAMERA.
9. [Symbol] DENOTES PROPOSED QUEUE DETECTION.
10. ALL LOOPS SHALL BE CENTERED IN THE MIDDLE OF THE LANE UNLESS OTHERWISE NOTED.
11. ALL LOOPS SHALL BE ROUND (6" DIAMETER), UNLESS OTHERWISE NOTED.
12. ALL NEW PULL BOXES SHALL BE NO. 6 UNLESS SHOWN OTHERWISE.
13. ALL NEW UNDERGROUND CONDUIT SHALL BE SCHEDULE 80 PVC, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
14. THREE-CONDUCTOR CABLE (3CS), FIVE-CONDUCTOR CABLE (5CS), AND TWELVE-CONDUCTOR CABLE (12CS) SHALL BE INSTALLED IN LIEU OF INDIVIDUAL CONDUCTORS AND SHALL CONFORM TO SECTION 86-2.080 OF THE CALTRANS STANDARD AND SPECIFICATIONS FOR CONSTRUCTION OF LOCAL STREETS AND ROADS (LATEST EDITION), UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS. NO OTHER TRAFFIC SIGNAL (TS) MULTI CONDUCTOR CABLE WILL BE ACCEPTED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
15. NEW VEHICLE HEADS SHALL BE 12" L.E.D. (LIGHT EMITTING DIODE), VEHICLE HEADS PER LOS ANGELES COUNTY DPW SPECIFICATIONS. (SEE SPECIAL PROVISIONS).
16. NEW PEDESTRIAN HEADS SHALL BE COUNTDOWN L.E.D (LIGHT EMITTING DIODE). (SEE SPECIAL PROVISIONS).
17. ALL NEW PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT.
18. POLE LOCATIONS SHOWN HEREON ARE APPROXIMATE. PRECISE LOCATIONS SHALL BE ESTABLISHED IN THE FIELD AND VERIFIED BY THE PROJECT ENGINEER.
19. ALL NEW SIGNAL POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED NO FURTHER THAN 5 FEET FROM THE BACK OF CROSSWALK UNLESS OTHERWISE NOTED.
20. THE CONTRACTOR SHALL MAINTAIN PROPER ADA CLEARANCES AROUND ALL NEW POLES, CABINETS OR ANY OTHER ABOVE-GROUND EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT. ALL NEW POLES, CONDUIT, AND PULL BOXES SHALL BE INSTALLED OUTSIDE OF CURB ACCESS RAMPS.
21. THE 3-INCH CONDUIT FROM THE EDISON PULL BOX TO THE SERVICE CABINET SHALL BE INSTALLED PER SOE COMPANY REQUIREMENTS FOR ELECTRICAL SERVICE CONNECTION. CALL SOUTHERN CALIFORNIA EDISON COMPANY, MR. SCOTT WALKER AT (661) 257-8296. APPLICABLE SERVICE CONNECTION, RISER COSTS, AND CONSTRUCTION TAX SHALL BE PAID BY THE CONTRACTOR.
22. SERVICE POINT SHALL BE DESIGNATED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL INSTALL CONDUIT AND CONDUCTORS FROM THE SERVICE CABINET TO THE DESIGNATED SERVICE POINT. SEE SPECIAL PROVISION.
23. EXACT LOCATION OF ALL SHOWN UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY.
24. CONTACT LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, TRAFFIC AND LIGHTING DIVISION, TRAFFIC SYSTEMS SECTION AT (626) 300-4709 ONE MONTH IN ADVANCE OF SIGNAL CONSTRUCTION TO COORDINATE SIGNAL TIMING AND IMPLEMENTATION.
25. TWO-PAIR DLC SHALL BE USED THROUGHOUT THE EXTENT OF THE INSTALLATION UNLESS OTHERWISE NOTED. SEE SPECIAL PROVISIONS.
26. VIDEO DETECTION SYSTEM AND CAMERA SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. MANUFACTURER'S REPRESENTATIVE SHALL BE PRESENT DURING INSTALLATION OF VIDEO DETECTION SYSTEM AND CAMERA. SEE SPECIAL PROVISIONS.
27. ALL PULL BOXES IN DIRT AREAS SHALL HAVE STEEL COVERS.

NO.	TYPE	SPEC. YEAR	SIGNAL LENGTH	M.A.	POLE MOUNTING	LED LUMINAIRE * M.A. HPS	NO. BUTTONS	PHASE	STREET TYPE	NAME SIGN LEGEND	LOCATION
1	19-4-100	2010	20'	MAS	SV-1-T	12'	1	62P	R.R.	"Q1" Street	A B C D E
2	1A-10'	2010	-	-	SP-1-T	-	-	-	-	-	-
3	1A-10'	2010	-	-	SP-1-T	12'	100W	-	-	-	6'
4	1A-10'	2010	-	-	TY-1-T	-	-	-	-	-	-
5	19-4-100	2010	20'	MAS	SV-2-T	12'	100W	-	R.R.	"Q1" Street	SEE PLAN
6	19-4-100	2010	20'	MAS	SV-1-T	12'	100W	1	R.R.	"A" Street	SEE PLAN

ALL INDICATES EQUIPMENT IS NEW.  
R.R. - RETRO REFLECTIVE STREET NAME SIGN.  
\* INSTALL HIGHWAY SAFETY LIGHT WITH L.E.D. EQUIVALENTS FOR HPS PER SPECIAL PROVISIONS.  
\*\* LUMINAIRE TO BE ROTATED 90° COUNTER CLOCKWISE WHEN INSTALL.  
ALL SIGNAL MOUNTINGS SHALL BE PER STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.  
ALL NEW SIGNAL POLES AND MAST ARMS SHALL BE PER CALTRANS STANDARD PLANS, 2010 EDITION.

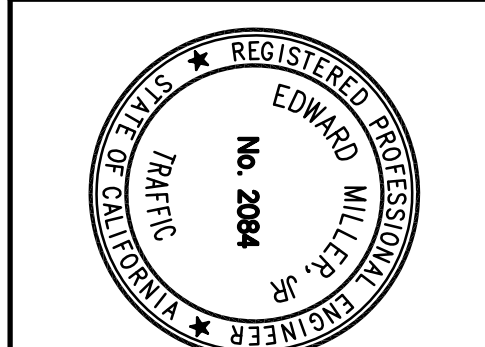
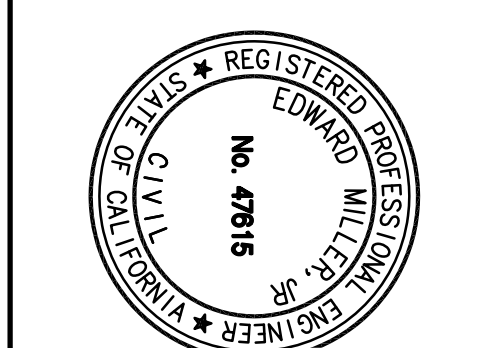


**POLE LOCATION DETAIL**

NO SCALE



Know what's below.  
Call before you dig.

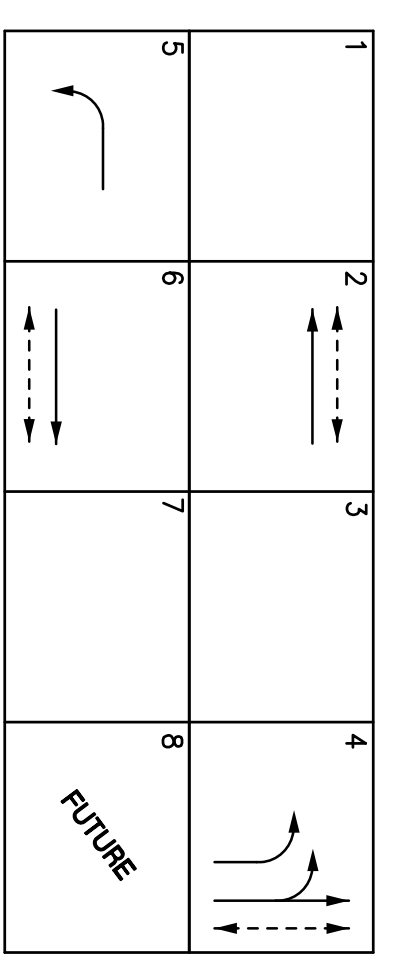


PREPARED BY:  
**ADVANTIC Consulting Engineers**  
Traffic & Communications & Civil & Electrical  
21700 Cogley Drive,  
Suite 350  
Diamond Bar, CA 91765  
Tel: (909) 860-6222  
Fax: (909) 860-6722  
www.advantec-usa.com

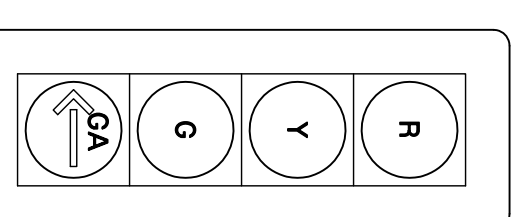
REVIEWED: COUNTY OF LOS ANGELES  
DATE: \_\_\_\_\_  
RECOMMENDED: COUNTY OF LOS ANGELES  
DATE: \_\_\_\_\_  
APPROVED: GAIL FABER, DIRECTOR OF PUBLIC WORKS  
DATE: \_\_\_\_\_  
BY: ASSISTANT DEPUTY DIRECTOR

100% COUNTY OF LOS ANGELES  
COUNTY OF LOS ANGELES  
DEPARTMENT OF PUBLIC WORKS  
TRAFFIC AND LIGHTING DIVISION  
TRAFFIC SIGNAL INTERIM PLAN  
"A" STREET  
AT "Q1" STREET  
TR 061105 SH: 1 OF 1 SCALE: 1"= 20' T.S. XXXX

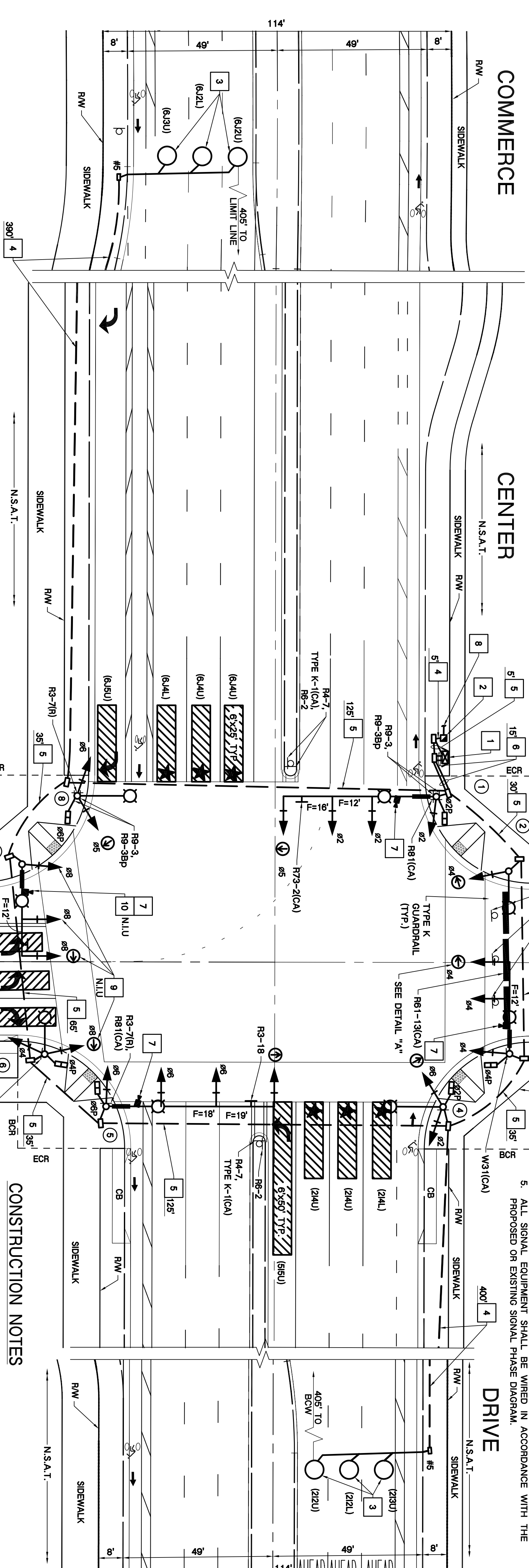
**PROPOSED SIGNAL PHASE DIAGRAM**



OPERATION:  
 #2 & #8 ON VEHICLE RECALL  
 #4 ON NON-LOCK AND TIME DELAY FOR RIGHT-TURNS

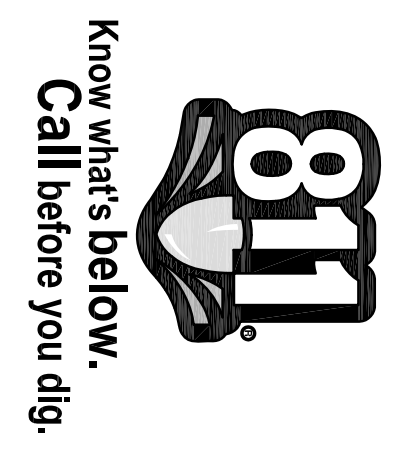
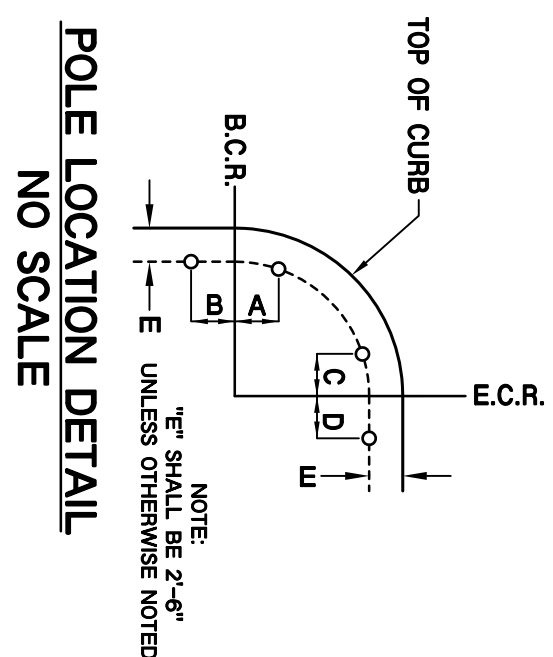


**DETAIL "A"**  
 ALL 1 1/2" LENSES  
 (NO SCALE)



No.	POLE TYPE	SPEC YRS	SIGNAL LENGTH	M.A.	POLE MOUNTINGS	LUMINAIRE * HRS WAKES	FED PUSH BUTTON	STREET NAME SIGN	POLE LOCATION
1	28-5-100	2010	50'	3-MAS	SP-1-T	15	250W	R.R.	A B C D E
2	1515	2010	-	SV-1-T	SP-1-T	15	150W	R.R.	-
3	19-4-100	2010	30'	2-MAS	SP-1-T	12	150W	R.R.	-
4	1515	2010	-	SV-1-T	SP-1-T	15	150W	R.R.	-
5	28-5-100	2010	55'	3-MAS	SP-1-T	12	150W	R.R.	-
6	1515	2010	-	SV-1-T	SP-1-T	12	150W	R.R.	-
7	1515	2010	-	SV-1-T	SP-1-T	15	250W	R.R.	-
8	1515	2010	-	SV-2-1A	SP-1-T	15	250W	R.R.	-

ALL EQUIPMENT IS NEW.  
 R.R. - RETRO REFLECTIVE STREET NAME SIGN.  
 \* INSTALL HIGHWAY SAFETY LIGHT WITH L.E.D. EQUIVALENTS FOR HPS PER SPECIAL PROVISIONS.  
 ALL SIGNAL MOUNTINGS SHALL BE PER STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.  
 ALL NEW SIGNAL POLES AND MAST ARMS SHALL BE PER CALTRANS STANDARD PLANS, 2010 EDITION.



**GENERAL NOTES:**

- TRAFFIC SIGNAL, LIGHTING, AND ELECTRICAL SYSTEMS SHALL CONFORM TO THE LOS ANGELES COUNTY STANDARDS WHICH INCLUDE THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION, BOOK 1, 2012 EDITION, AND THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC SIGNAL EQUIPMENT SPECIFICATIONS, LATEST EDITION, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIAL PROVISIONS.
- ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- THE GPS UNIVERSAL TIME BASE UNIT AND ANTENNA SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE GPS UNIVERSAL TIME BASE UNIT ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
- ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE PROPOSED OR EXISTING SIGNAL PHASE DIAGRAM.
- TRAFFIC SIGNAL MAINTENANCE ESSEMENT
- INDICATES LOOP/VIDEO DETECTION ZONE ASSIGNMENT IN THE CONTROLLER CABINET. EACH LOOP ASSIGNMENT SHALL HAVE A SEPARATE LEAD-IN CABLE TO THE CONTROLLER.
- INDICATES PROPOSED VIDEO DETECTION ZONE.
- INDICATES VIDEO DETECTION CAMERA.
- DENOTES PROPOSED QUEUE DETECTION.
- ALL LOOPS SHALL BE CENTERED IN THE MIDDLE OF THE LANE UNLESS OTHERWISE NOTED.
- ALL LOOPS SHALL BE ROUND (6" DIAMETER), UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE NO. 6 UNLESS SHOWN OTHERWISE.
- ALL NEW UNDERGROUND CONDUIT SHALL BE SCHEDULE 90 PVC, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- THREE-CONDUCTOR CABLE (RCS), FIVE-CONDUCTOR CABLE (RCS), AND FIVE-CONDUCTOR CABLE (RCS) SHALL BE INSTALLED PER 16-105 OF THE CALTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF LOCAL STREETS AND ROADS (LATEST EDITION) UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS. NO OTHER TRAFFIC SIGNAL (TS) MULTI CONDUCTOR CABLE WILL BE ACCEPTED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- NEW VEHICLE HEADS SHALL BE 12" L.E.D. (LIGHT EMITTING DIODE). VEHICLE HEADS PER LOS ANGELES COUNTY DPW SPECIFICATIONS (SEE SPECIAL PROVISIONS).
- NEW PEDESTRIAN HEADS SHALL BE COUNTDOWN L.E.D. (LIGHT EMITTING DIODE). (SEE SPECIAL PROVISIONS).
- ALL NEW PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT.
- POLE LOCATIONS SHOWN HEREON ARE APPROXIMATE. PRECISE LOCATIONS SHALL BE ESTABLISHED IN THE FIELD AND VERIFIED BY THE PROJECT ENGINEER.
- ALL NEW SIGNAL POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED NO FURTHER THAN 5 FEET FROM THE BACK OF CROSSWALK UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MAINTAIN PROPER ADA CLEARANCES AROUND ALL NEW POLES, CABINETS OR ANY OTHER ABOVE-GROUND EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT. ALL NEW POLES, CONDUIT, AND PULL BOXES SHALL BE INSTALLED OUTSIDE OF CURB ACCESS RAMPS.
- THE 3-INCH CONDUIT FROM THE EDISON PULL BOX TO THE SERVICE CABINET SHALL BE INSTALLED PER SCE COMPANY REQUIREMENTS FOR ELECTRICAL SERVICE CONNECTION. CALL SOUTHERN CALIFORNIA EDISON COMPANY, MR. SCOTT WALKER AT (661) 257-8295. APPLICABLE SERVICE CONNECTION, RISER COSTS, AND CONSTRUCTION TAX SHALL BE PAID BY THE CONTRACTOR.
- SERVICE POINT SHALL BE DESIGNATED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL INSTALL CONDUIT AND CONDUCTORS FROM THE SERVICE CABINET TO THE DESIGNATED SERVICE POINT. SEE SPECIAL PROVISION.
- EXACT LOCATION OF ALL SHOWN UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY.
- CONTACT LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, TRAFFIC AND LIGHTING DIVISION, TRAFFIC SYSTEMS SECTION AT (626) 300-4709 ONE MONTH IN ADVANCE OF SIGNAL CONSTRUCTION TO COORDINATE SIGNAL TIMING AND IMPLEMENTATION.
- TWO-PAIR D.C. SHALL BE USED THROUGHOUT THE EXTENT OF THE INSTALLATION UNLESS OTHERWISE NOTED. SEE SPECIAL PROVISIONS.
- VIDEO DETECTION SYSTEM AND CAMERA SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. MANUFACTURER'S REPRESENTATIVE SHALL BE PRESENT DURING INSTALLATION OF VIDEO DETECTION SYSTEM AND CAMERA. SEE SPECIAL PROVISIONS.
- ALL PULL BOXES IN DIRT AREAS SHALL HAVE STEEL COVERS.
- SIGNAL EQUIPMENT DESIGNATED AS NLU (NOT IN USE) SHALL BE POWERED DOWN (OFF) AND LENSES COVERED. THE COVER SHALL BE MADE OF PLASTIC OR ALUMINUM TO LAST UNTIL FUTURE DEVELOPMENT IS COMPLETED.
- VIDEO DETECTION CAMERA DESIGNATED AS NLU (NOT IN USE) SHALL BE POWERED DOWN UNTIL FUTURE DEVELOPMENT IS COMPLETED.

**CONSTRUCTION NOTES**

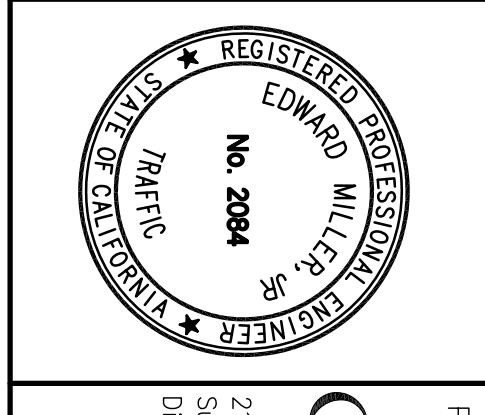
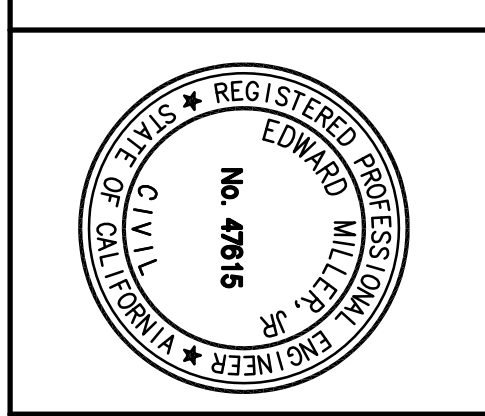
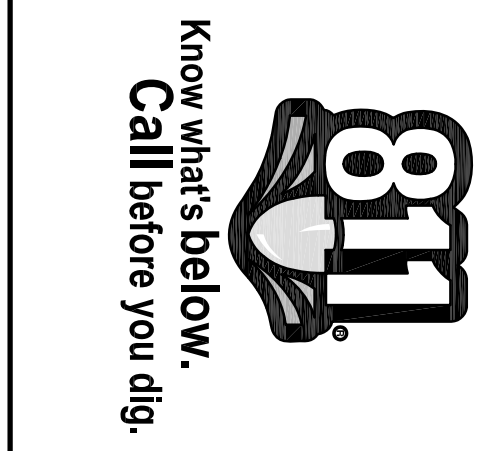
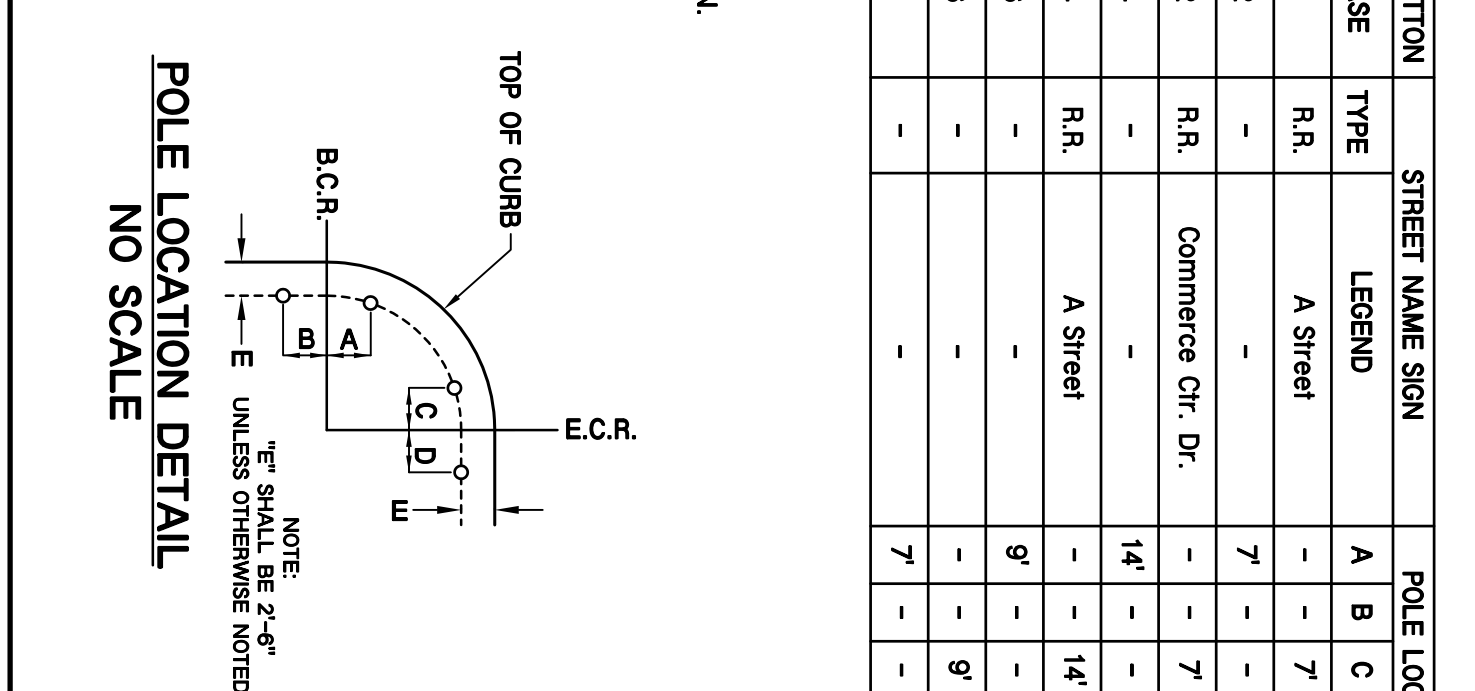
- FURNISH AND INSTALL NEW TYPE 332 CABINET ON NEW FOUNDATION. COMPLETE WITH TYPE 170 ATCH-11 CONTROLLER, LACO-4E PROGRAM, (2) PED ISOLATION MODULES, (4) 2-CHANNEL I.D. SENSOR UNITS, (7) SWITCH PACKS, GPS UNIVERSAL TIME BASE UNIT AND ANTENNA, (3) TIRIS VANTAGE EDGE 2 PROCESSORS AND TERS EDGE CONNECT OR DRAWER, EMERGENCY VEHICLE PREEMPTION MODULE, AND ALL OTHER EQUIPMENT NECESSARY FOR THE ANTICIPATED OPERATION AS SHOWN ON THE PLAN. SEE SPECIAL PROVISIONS.
- INSTALL NEW TYPE III-BF ANODIZED ALUMINUM UNDERGROUND SERVICE COMPLETE WITH FOUNDATION AND BATTERY BACKUP SYSTEM PER COUNTY OF LOS ANGELES DPW SPECIFICATIONS (SEE SPECIAL PROVISIONS).
- INSTALL LOOPS AS SHOWN.
- INSTALL 2" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL 3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST ARM WITH FIVE EXTENSION PER MANUFACTURER'S SPECIFICATIONS. SEE SPECIAL PROVISIONS.
- INSTALL 3" PVC CONDUIT PER SCE SPECIFICATION. SEE GENERAL NOTE 22.
- SIGNAL EQUIPMENT DESIGNATED AS NLU (NOT IN USE) SHALL BE POWERED DOWN UNTIL FUTURE DEVELOPMENT IS COMPLETED.

**100% COUNTY OF LOS ANGELES**

REVISIONS	BY	DATE	CAD FILE NAME	PROJECT	#

NO.	TYPE	SPEC YRS	SIGNAL LENGTH	M.A.	POLE MOUNTINGS	LUMINAIRE * HRS WAKES	FED PUSH BUTTON	STREET NAME SIGN	POLE LOCATION
1	28-5-100	2010	50'	3-MAS	SP-1-T	15	250W	R.R.	A B C D E
2	1515	2010	-	SV-1-T	SP-1-T	15	150W	R.R.	-
3	19-4-100	2010	30'	2-MAS	SP-1-T	12	150W	R.R.	-
4	1515	2010	-	SV-1-T	SP-1-T	15	150W	R.R.	-
5	28-5-100	2010	55'	3-MAS	SP-1-T	12	150W	R.R.	-
6	1515	2010	-	SV-1-T	SP-1-T	12	150W	R.R.	-
7	1515	2010	-	SV-1-T	SP-1-T	15	250W	R.R.	-
8	1515	2010	-	SV-2-1A	SP-1-T	15	250W	R.R.	-

ALL EQUIPMENT IS NEW.  
 R.R. - RETRO REFLECTIVE STREET NAME SIGN.  
 \* INSTALL HIGHWAY SAFETY LIGHT WITH L.E.D. EQUIVALENTS FOR HPS PER SPECIAL PROVISIONS.  
 ALL SIGNAL MOUNTINGS SHALL BE PER STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.  
 ALL NEW SIGNAL POLES AND MAST ARMS SHALL BE PER CALTRANS STANDARD PLANS, 2010 EDITION.



PREPARED BY:  
**ADIANTRC Consulting Engineers**  
 Traffic 315 + Communications + Civil + Electrical  
 21700 Cogley Drive, Suite 350  
 Diamond Bar, CA 91765  
 Tel: (909) 860-6222  
 Fax: (909) 860-6722  
 www.adiantrc-usa.com

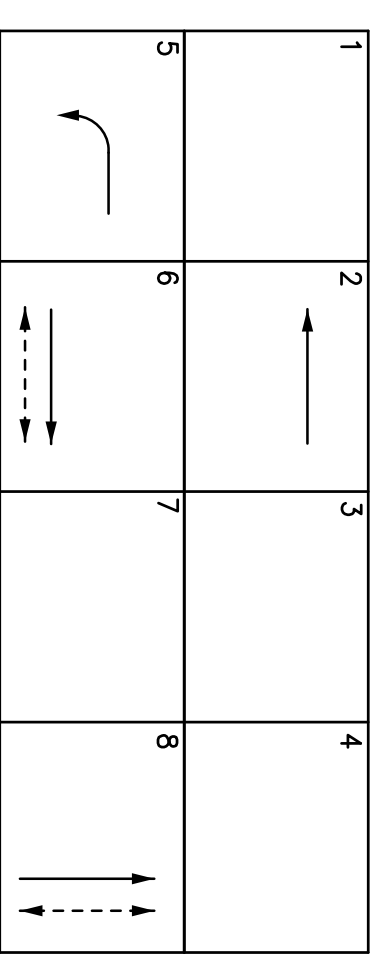
REVIEWED: COUNTY OF LOS ANGELES  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 RECOMMENDED: COUNTY OF LOS ANGELES  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED: GAIL FABER, DIRECTOR OF PUBLIC WORKS  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 ASSISTANT DEPUTY DIRECTOR

COUNTY OF LOS ANGELES  
 DEPARTMENT OF PUBLIC WORKS  
 TRAFFIC AND LIGHTING DIVISION  
**TRAFFIC SIGNAL INTERIM PLAN**  
**COMMERCE CENTER DRIVE**  
**AT "A" STREET**

THIS PLAN EXPIRES TWO YEARS AFTER APPROVAL DATE  
 TR 8105 SH: 1 OF 1 SCALE: 1"=20' T.S. 6134

T.G. 4549-J2

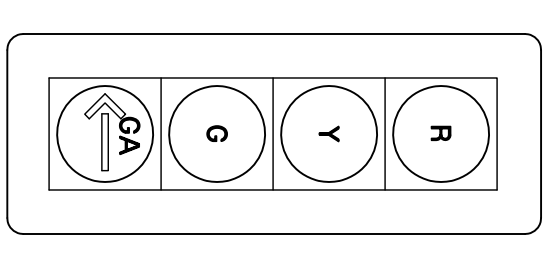
**PROPOSED SIGNAL PHASE DIAGRAM**



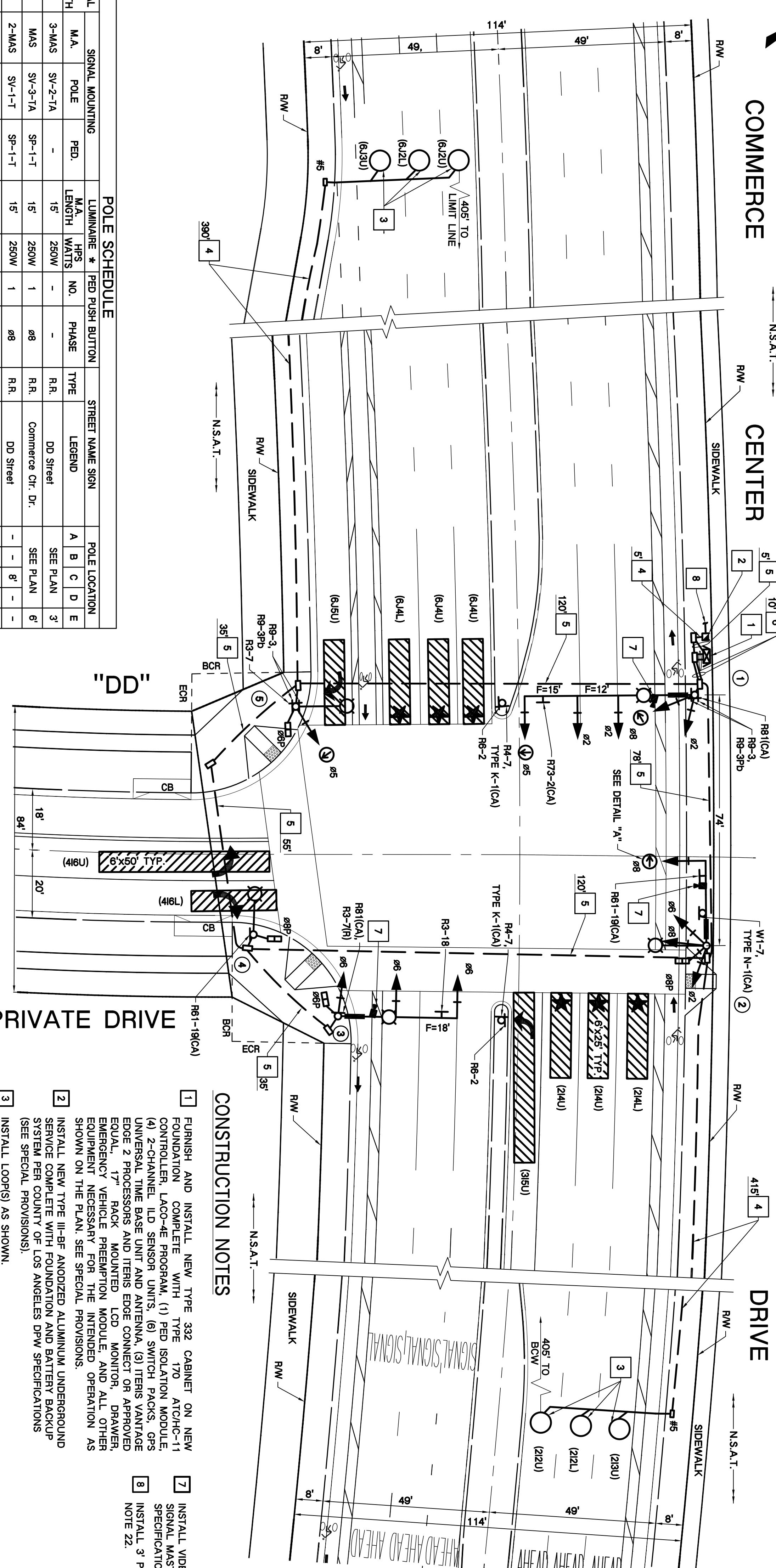
OPERATION: VEHICLE RECALL  
 22 & 28 ED RECALL AND REST IN WALK  
 28 ON TIME DELAY FOR RIGHT TURNS

**GENERAL NOTES:**

- TRAFFIC SIGNAL, LIGHTING, AND ELECTRICAL SYSTEMS SHALL CONFORM TO THE LOS ANGELES COUNTY STANDARDS WHICH INCLUDE THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 2012 EDITION, AND THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC SIGNALS EQUIPMENT SPECIFICATIONS, LATEST EDITION. UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIAL PROVISIONS.
- ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- THE GPS UNIVERSAL TIME BASE UNIT AND ANTENNA SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE GPS UNIVERSAL TIME BASE UNIT ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
- ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE PROPOSED OR EXISTING SIGNAL PHASE DIAGRAM.
- (XXXX) INDICATES LOOP/VIDEO DETECTION ZONE ASSIGNMENT IN THE CONTROLLER CABINET. EACH LOOP ASSIGNMENT SHALL HAVE A SEPARATE LEAD-IN CABLE TO THE CONTROLLER.
- INDICATES PROPOSED VIDEO DETECTION ZONE.
- INDICATES VIDEO DETECTION CAMERA.
- ★ DENOTES PROPOSED QUEUE DETECTION.
- ALL LOOPS SHALL BE CENTERED IN THE MIDDLE OF THE LANE UNLESS OTHERWISE NOTED.
- ALL LOOPS SHALL BE ROUND (6" DIAMETER), UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE NO. 6 UNLESS SHOWN OTHERWISE.
- ALL NEW UNDERGROUND CONDUIT SHALL BE SCHEDULE 90 PVC, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- THREE-CONDUCTOR CABLE (3CSO), FIVE-CONDUCTOR CABLE (5CSO), AND INDIVIDUAL CONDUCTOR CABLE (12CSO) SHALL BE INSTALLED IN LIEU OF LOCAL STREETS AND ROADS (LATEST EDITION), UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS. NO OTHER TRAFFIC SIGNAL (TS) MULTI CONDUCTOR CABLE WILL BE ACCEPTED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- NEW VEHICLE HEADS SHALL BE 12" L.E.D. (LIGHT EMITTING DIODE) VEHICLE HEADS PER LOS ANGELES COUNTY DPW SPECIFICATIONS. (SEE SPECIAL PROVISIONS).
- NEW PEDESTRIAN HEADS SHALL BE COUNTDOWN L.E.D. (LIGHT EMITTING DIODE). (SEE SPECIAL PROVISIONS).
- ALL NEW PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT.
- POLE LOCATIONS SHOWN HEREON ARE APPROXIMATE. PRECISE LOCATIONS SHALL BE ESTABLISHED IN THE FIELD AND VERIFIED BY THE PROJECT ENGINEER.
- ALL NEW SIGNAL POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED NO FURTHER THAN 5 FEET FROM THE BACK OF CROSSWALK UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MAINTAIN PROPER ADA CLEARANCES AROUND ALL NEW POLES, CABINETS OR ANY OTHER ABOVE-GROUND EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT. ALL NEW POLES, CONDUIT, AND PULL BOXES SHALL BE INSTALLED OUTSIDE OF CURB ACCESS RAMPS.
- THE 3-INCH CONDUIT FROM THE EDISON PULL BOX TO THE SERVICE POINT SHALL BE INSTALLED PER THE CALIFORNIA ELECTRICAL BOARD (CEB) SERVICE CONNECTION (SC) 2008, APPLICABLE SERVICE CONNECTION, RISER COSTS, AND CONSTRUCTION TAX SHALL BE PAID BY THE CONTRACTOR.
- SERVICE POINT SHALL BE DESIGNATED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL INSTALL CONDUIT AND CONDUCTORS FROM THE SERVICE CABINET TO THE DESIGNATED SERVICE POINT. SEE SPECIAL PROVISION.
- EXACT LOCATION OF ALL SHOWN UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY.
- CONTACT LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, TRAFFIC AND LIGHTING DIVISION, TRAFFIC SYSTEMS SECTION AT (626) 300-4709 ONE MONTH IN ADVANCE OF SIGNAL CONSTRUCTION TO COORDINATE SIGNAL TIMING AND IMPLEMENTATION.
- TWO-PAIR DLC SHALL BE USED THROUGHOUT THE EXTENT OF THE INSTALLATION UNLESS OTHERWISE NOTED. SEE SPECIAL PROVISIONS.
- VIDEO DETECTION SYSTEM AND CAMERA SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. MANUFACTURERS REPRESENTATIVE AND CAMERA. SEE SPECIAL PROVISIONS.
- ALL PULL BOXES IN DIRT AREAS SHALL HAVE STEEL COVERS.



ALL 12" LENSES  
 DETAIL "A"  
 (NO SCALE)

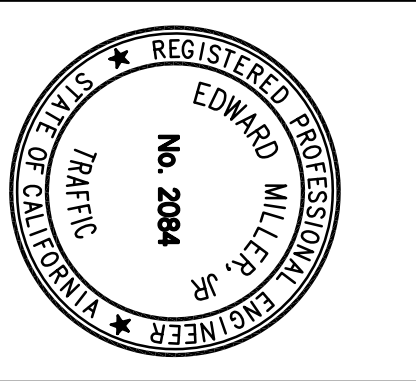
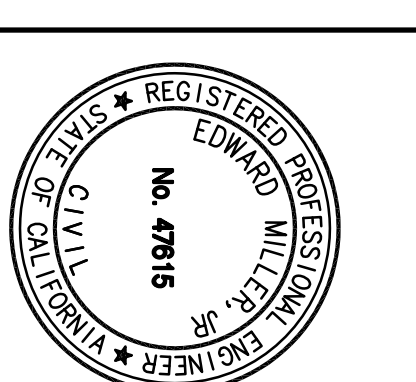
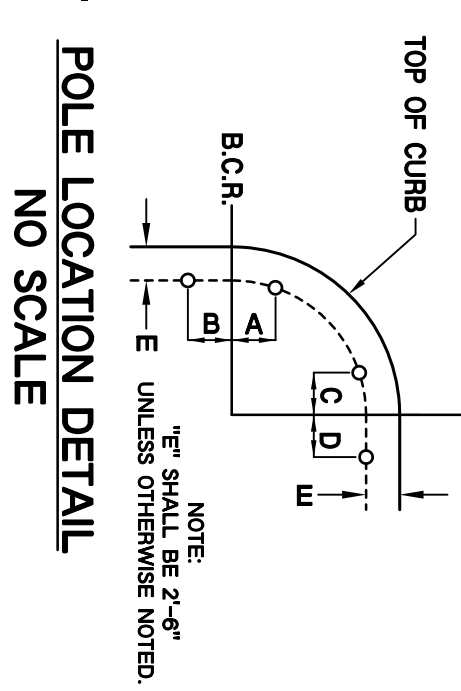
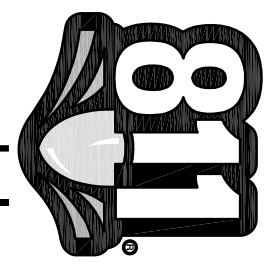


NO.	POLE TYPE	SPEC. YEAR	SIGNAL LENGTH	M.A.	POLE	PED.	LUMINAIRE * PFD PUSH BUTTON	STREET NAME SIGN	POLE LOCATION
1	29-5-100	2010	50'	3-MAS	SV-2-7A	-	15' 250W	R.R. DD Street	A B C D E
2	19-4-100	2010	25'	MAS	SV-3-7A	SP-1-1	15' 250W	R.R. Commerce Ctr. Dr.	SEE PLAN 3
3	24-4-100	2010	35'	2-MAS	SV-1-1	SP-1-1	15' 250W	R.R. DD Street	SEE PLAN 6
4	15TS	2010	-	-	SP-1-1	SP-1-1	12' 100W	-	6' - - -
5	15TS	2010	-	-	SP-1-1	SP-1-1	15' 250W	-	10' - - -

- CONSTRUCTION NOTES**
- FURNISH AND INSTALL NEW TYPE 332 CABINET ON NEW FOUNDATION COMPLETE WITH TYPE 170 ATC/H-11 CONTROLLER, LACO-4E PROGRAM, (1) PED ISOLATION MODULE, (4) 2-CHANNEL I.D. SENSOR UNITS, (6) SWITCH PACKS, GPS UNIVERSAL TIME BASE UNIT AND ANTENNA, (3) ITEMS VANTAGE EDGE 2 PROCESSORS AND TENS EDGE CONNECT OR APPROVED EQUAL, 17" RACK MOUNTED LCD MONITOR, DRAWER, EMERGENCY VEHICLE PREEMPTION MODULE, AND ALL OTHER EQUIPMENT NECESSARY FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN. SEE SPECIAL PROVISIONS.
  - INSTALL NEW TYPE III-BF ANODIZED ALUMINUM UNDERGROUND SYSTEM PER COUNTY OF LOS ANGELES DPW SPECIFICATIONS (SEE SPECIAL PROVISIONS).
  - INSTALL LOOPS AS SHOWN.
  - INSTALL 2" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
  - INSTALL 3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
  - INSTALL 2-3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
  - INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST WITH THE EXTENSION PER MANUFACTURER'S SPECIFICATIONS. SEE SPECIAL PROVISIONS.
  - INSTALL 3" PVC CONDUIT PER SCE SPECIFICATION. SEE GENERAL NOTE 22.

REVISIONS	BY	DATE	CAD FILE NAME	PROJECT	#

ALL INDICATES EQUIPMENT IS NEW.  
 R.R. - RETRO REFLECTIVE STREET NAME SIGN.  
 \* INSTALL HIGHWAY SAFETY LIGHT WITH L.E.D. EQUIVALENTS PER SPECIAL PROVISIONS.  
 ALL SIGNAL MOUNTINGS SHALL BE PER STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.  
 ALL NEW SIGNAL POLES AND MAST ARMS SHALL BE PER CALTRANS STANDARD PLANS, 2010 EDITION.



PREPARED BY: **ADIANTRC Consulting Engineers**  
 Traffic & Communications & Electrical  
 21700 Cogey Drive, Suite 350  
 Diamond Bar, CA 91765  
 Tel: (909) 860-6222  
 Fax: (909) 860-6722  
 www.adiantrc-usa.com

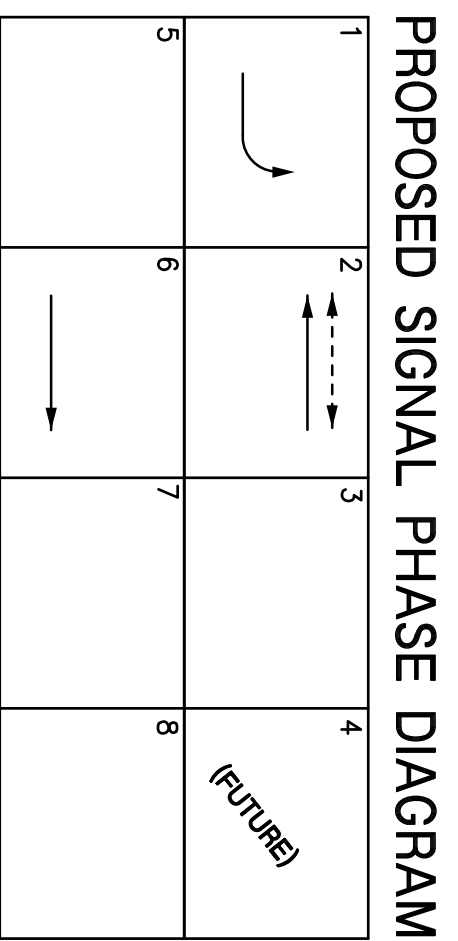
REVIEWED: COUNTY OF LOS ANGELES  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 RECOMMENDED: COUNTY OF LOS ANGELES  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED: GAIL FABER, DIRECTOR OF PUBLIC WORKS  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 ASSISTANT DEPUTY DIRECTOR

COUNTY OF LOS ANGELES  
 DEPARTMENT OF PUBLIC WORKS  
 TRAFFIC AND LIGHTING DIVISION  
 TRAFFIC SIGNAL PLAN  
 COMMERCE CENTER DRIVE  
 AT "DD" PRIVATE DRIVE

T.G. 4549-J3

THIS PLAN EXPIRES TWO YEARS AFTER APPROVAL DATE

100% COUNTY OF LOS ANGELES



OPERATION:  
#2 & #8 ON VEHICLE RECALL

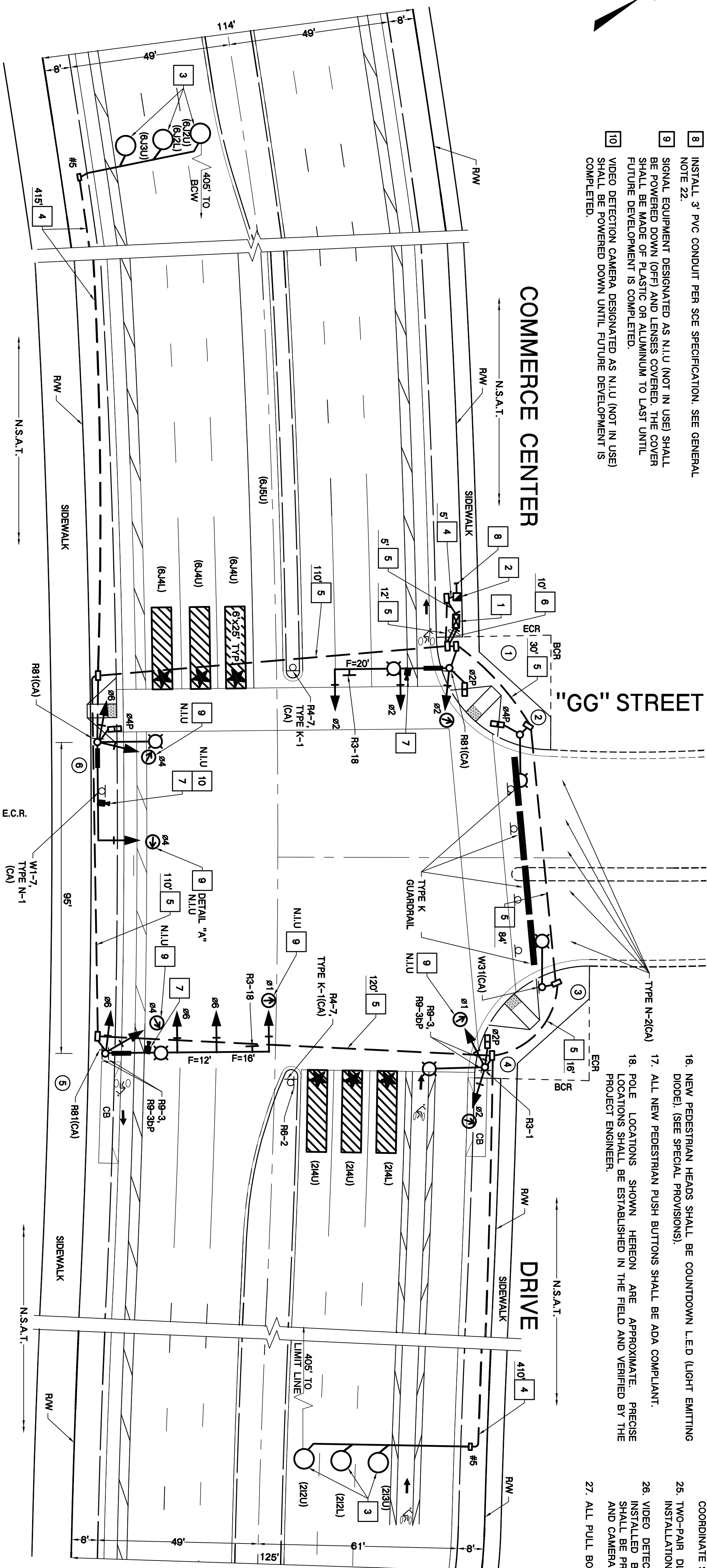
**CONSTRUCTION NOTES**

- 1 FURNISH AND INSTALL NEW TYPE 332 CABINET ON NEW FOUNDATION COMPLETE WITH TYPE 170 ATCH-11 CONTROLLER, LAOC-4E PROGRAM, (1) PED ISOLATION MODULE, (4) 2-CHANNEL I.D. SENSOR UNITS, (6) SWITCH PACKS, GPS UNIVERSAL TIME BASE UNIT AND ANTENNA, (3) ITEMS VANTAGE EDGE 2 PROCESSORS AND ITEMS EDGE CONNECT OR APPROVED EQUAL, 17" RACK MOUNTED LCD MONITOR, DRAWER, EMERGENCY MESSAGEY ON THE INTEGRATED OPERATION AS SHOWN ON THE PLAN. SEE SPECIAL PROVISIONS.
- 2 INSTALL NEW TYPE III-BF ANODIZED ALUMINUM UNDERGROUND SERVICE COMPLETE WITH FOUNDATION AND BATTERY BACKUP (SEE SPECIAL PROVISIONS).
- 3 INSTALL 2" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- 4 INSTALL 3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- 5 INSTALL 2-3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- 6 INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST ARM WITH PRE EXTENSION PER MANUFACTURER'S SPECIFICATIONS. SEE SPECIAL PROVISIONS.
- 7 INSTALL 3" PVC CONDUIT PER SEE SPECIFICATION. SEE GENERAL NOTE Z2.
- 8 SIGNAL EQUIPMENT DESIGNATED AS NIU (NOT IN USE) SHALL BE POWERED DOWN (OFF) AND LENSES COVERED. THE COVER SHALL BE MADE OF PLASTIC OR ALUMINUM TO LAST UNTIL FUTURE DEVELOPMENT IS COMPLETED.
- 9 VIDEO DETECTION CAMERA DESIGNATED AS NIU (NOT IN USE) SHALL BE POWERED DOWN UNTIL FUTURE DEVELOPMENT IS COMPLETED.

**GENERAL NOTES:**

1. TRAFFIC SIGNAL, LIGHTING, AND ELECTRICAL SYSTEMS SHALL CONFORM TO THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 2012 EDITION, AND THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC SIGNAL, CONTROL, EQUIPMENT SPECIFICATIONS, LATEST EDITION, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIAL PROVISIONS.
2. ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
3. THE GPS UNIVERSAL TIME BASE UNIT AND ANTENNA SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE GPS UNIVERSAL TIME BASE UNIT ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
4. ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
5. ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE PROPOSED OR EXISTING SIGNAL PHASE DIAGRAM.
6. (XXXX) INDICATES LOOP/VIDEO DETECTION ZONE ASSIGNMENT IN THE CONTROLLER CABINET. EACH LOOP ASSIGNMENT SHALL HAVE A SEPARATE LEAD-IN CABLE TO THE CONTROLLER.

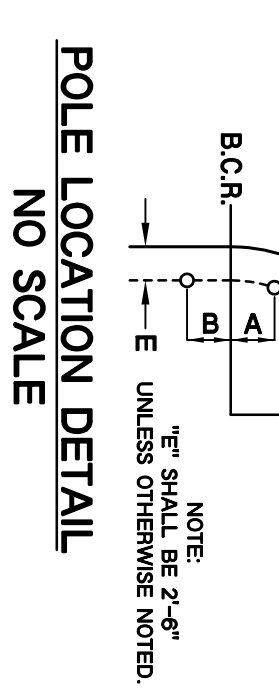
7. [Hatched Box] INDICATES PROPOSED VIDEO DETECTION ZONE.
8. [Arrow] INDICATES VIDEO DETECTION CAMERA.
9. [Star] DENOTES PROPOSED QUEUE DETECTION.
10. ALL LOOPS SHALL BE CENTERED IN THE MIDDLE OF THE LANE UNLESS OTHERWISE NOTED.
11. ALL LOOPS SHALL BE ROUND (6" DIAMETER), UNLESS OTHERWISE NOTED.
12. ALL NEW PULL BOXES SHALL BE NO. 6 UNLESS SHOWN OTHERWISE.
13. ALL NEW UNDERGROUND CONDUIT SHALL BE SCHEDULE 80 PVC, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
14. THREE-CONDUCTOR CABLE (3CSO), FIVE-CONDUCTOR CABLE (5CSO), AND INDIVIDUAL CONDUCTORS AND SHALL CONFORM TO SECTION 88-2.08(D) OF THE CALTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF LOCAL STREETS AND ROADS (LATEST EDITION), UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS. NO OTHER TRAFFIC SIGNAL (TS) MULTI CONDUCTOR CABLE WILL BE ACCEPTED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
15. NEW VEHICLE HEADS SHALL BE 12" LED, (LIGHT EMITTING DIODE), VEHICLE HEADS PER LOS ANGELES COUNTY DPW SPECIFICATIONS. (SEE SPECIAL PROVISIONS).
16. NEW PEDESTRIAN HEADS SHALL BE COUNTDOWN LED (LIGHT EMITTING DIODE). (SEE SPECIAL PROVISIONS).
17. ALL NEW PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT.
18. POLE LOCATIONS SHOWN HEREON ARE APPROXIMATE. PRECISE LOCATIONS SHALL BE ESTABLISHED IN THE FIELD AND VERIFIED BY THE PROJECT ENGINEER.
19. ALL NEW SIGNAL POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED NO FURTHER THAN 5 FEET FROM THE BACK OF CROSSWALK UNLESS OTHERWISE NOTED.
20. THE CONTRACTOR SHALL MAINTAIN PROPER ADA CLEARANCES AROUND ALL NEW POLES, CABINETS OR ANY OTHER ABOVE-GROUND EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT. ALL NEW POLES, CONDUIT, AND PULL BOXES SHALL BE INSTALLED OUTSIDE OF CURB ACCESS RAMPS.
21. THE 3-INCH CONDUIT FROM THE EDISON, PULL, BOX TO THE SERVICE CABINET SHALL BE INSTALLED PER SEE COMPANY REQUIREMENTS. FOR ELECTRICAL SERVICE CONNECTION, CALL SOUTHERN CALIFORNIA EDISON COMPANY, MR. SCOTT WALKER AT (661) 257-4225, APPLICABLE SERVICE CONNECTION, RISER COSTS, AND CONSTRUCTION TAX SHALL BE PAID BY THE CONTRACTOR.
22. SERVICE POINT SHALL BE DESIGNATED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL INSTALL CONDUIT AND CONDUCTORS FROM THE SERVICE CABINET TO THE DESIGNATED SERVICE POINT. SEE SPECIAL PROVISION.
23. EXACT LOCATION OF ALL SHOWN UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY.
24. CONTRACT LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, TRAFFIC AND LIGHTING DIVISION, TRAFFIC SYSTEMS SECTION AT (626) 300-4709 ONE MONTH IN ADVANCE OF SIGNAL CONSTRUCTION TO COORDINATE SIGNAL TIMING AND IMPLEMENTATION.
25. TWO-PAIR DLC SHALL BE USED THROUGHOUT THE EXTENT OF THE INSTALLATION UNLESS OTHERWISE NOTED. SEE SPECIAL PROVISIONS.
26. VIDEO DETECTION SYSTEM AND CAMERA SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. MANUFACTURERS REPRESENTATIVE SHALL BE PRESENT DURING INSTALLATION OF VIDEO DETECTION SYSTEM AND CAMERA. SEE SPECIAL PROVISIONS.
27. ALL PULL BOXES IN DIRT AREAS SHALL HAVE STEEL COVERS.



REVISIONS		DATE	BY

No.	TYPE	SPEC YEAR	M.A. LENGTH	M.A. M.A.	POLE	PED	LUMINAIRE * PED PUSH BUTTON	STREET NAME SIGN	POLE LOCATION					
									LEGEND	A	B	C	D	E
1	24-4-100	2010	35'	2-MAS	SV-1-T	SP-1-T	15' 280W	1	R.R.	"GG" STREET	-	-	10'	-
2	1515	2010	-	-	SV-1-T	SP-1-T	12' 200W	1	R.R.	-	9'	-	-	-
3	1515	2010	-	-	SV-2-1A	SP-1-T	12' 200W	1	R.R.	-	-	20'	-	-
4	1515	2010	-	-	SV-2-1A	SP-1-T	15' 280W	-	R.R.	"GG" STREET	6'	-	-	-
5	28-5-100	2010	50'	3-MAS	SV-2-1A	SP-1-T	15' 280W	-	R.R.	Commerce Center Dr	-	-	-	3'
6	19-4-100	2010	30'	MAS	SV-2-1A	SP-1-T	15' 280W	1	R.R.	Commerce Center Dr	-	-	-	6'



100% COUNTY OF LOS ANGELES  
COUNTY OF LOS ANGELES  
DEPARTMENT OF PUBLIC WORKS  
TRAFFIC AND LIGHTING DIVISION

**T.G. 4549-H1**

TRAFFIC SIGNAL INTERIM PLAN  
COMMERCE CENTER DRIVE  
AT "GG" STREET

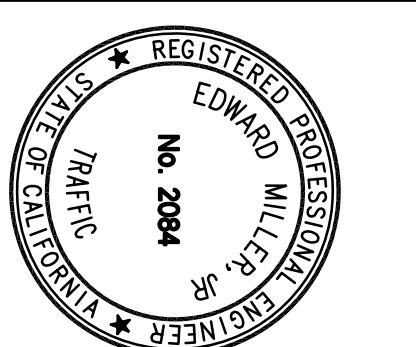
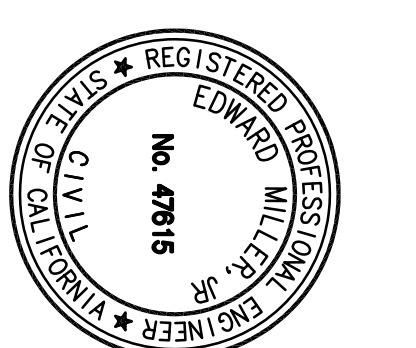
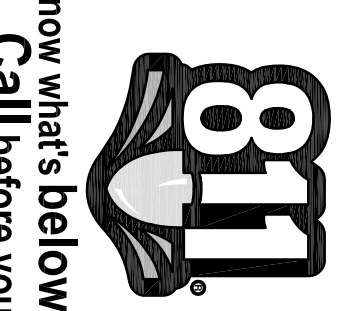
PREPARED BY: ADANTPC Consulting Engineers  
21700 Cogley Drive, Suite 350, Diamond Bar, CA 91765  
Tel: (909) 860-6222, Fax: (909) 860-6722, www.adantpc-usa.com

DATE: 02/27/2015

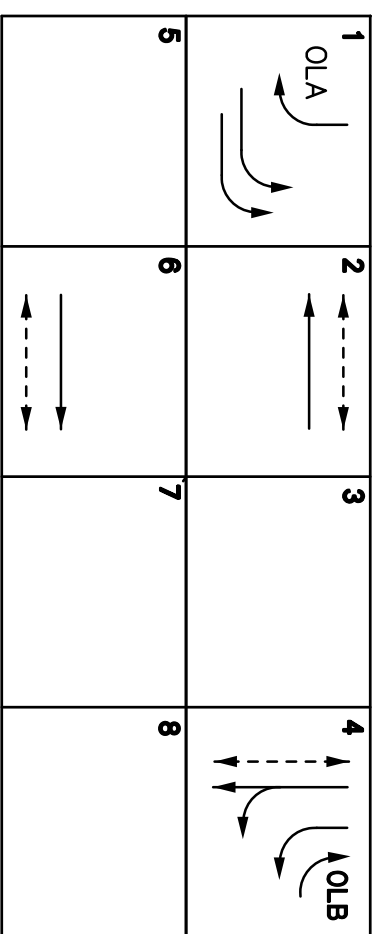
REVIEWED: COUNTY OF LOS ANGELES  
BY: DATE  
RECOMMENDED: COUNTY OF LOS ANGELES  
BY: DATE  
APPROVED: GAIL FABER, DIRECTOR OF PUBLIC WORKS  
BY: DATE  
ASSISTANT DEPUTY DIRECTOR

THIS PLAN EXPIRES TWO YEARS AFTER APPROVAL DATE

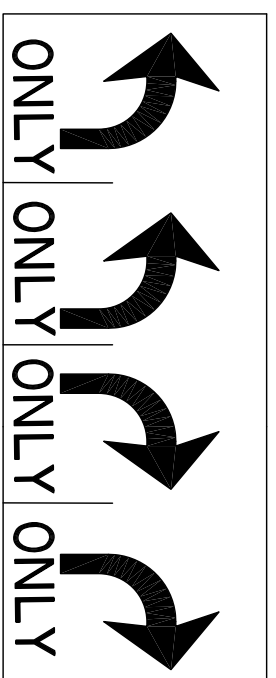
TRA 61105 SH: 1 OF 1 SCALE: 1"=20' TS: 6133



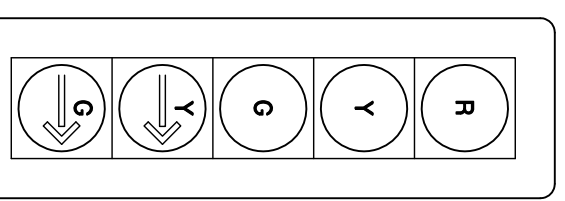
**PROPOSED SIGNAL PHASE DIAGRAM**



OPERATION:  
 #2 & #8 ON VEHICLE RECALL  
 #1 ON NON-LOOK AND TIME DELAY FOR RIGHT TURNS  
 0L-A = #1  
 0L-B = #4



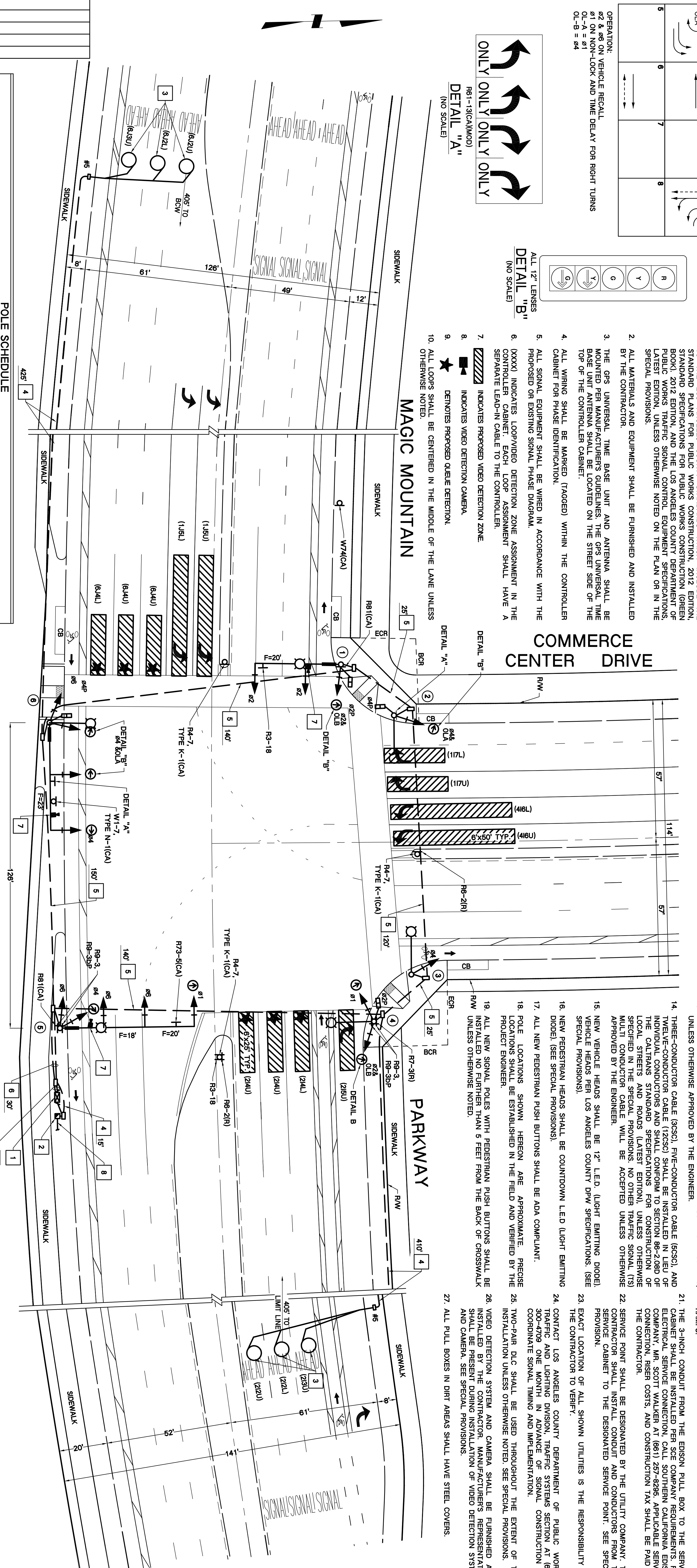
DETAIL "A"  
 (NO SCALE)



DETAIL "B"  
 (NO SCALE)

**GENERAL NOTES:**

- TRAFFIC SIGNAL, LIGHTING, AND ELECTRICAL SYSTEMS SHALL CONFORM TO THE LOS ANGELES COUNTY STANDARDS WHICH INCLUDE THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 2012 EDITION, AND THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC SIGNAL CONTROL EQUIPMENT SPECIFICATIONS, LATEST EDITION, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIAL PROVISIONS.
- ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- THE GPS UNIVERSAL, TIME BASE UNIT AND ANTENNA SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE GPS UNIVERSAL, TIME BASE UNIT ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
- ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE PROPOSED OR EXISTING SIGNAL PHASE DIAGRAM.
- (XXXX) INDICATES LOOP/VIDEO DETECTION ZONE ASSIGNMENT IN THE CONTROLLER CABINET. EACH LOOP ASSIGNMENT SHALL HAVE A SEPARATE LEAD-IN CABLE TO THE CONTROLLER.
- INDICATES PROPOSED VIDEO DETECTION ZONE.
- INDICATES VIDEO DETECTION CAMERA.
- DENOTES PROPOSED QUEUE DETECTION.
- ALL LOOPS SHALL BE CENTERED IN THE MIDDLE OF THE LANE UNLESS OTHERWISE NOTED.



**POLE SCHEDULE**

NO.	TYPE	SPEC YEAR	SIGNAL M.A. LENGTH	POLE	PED	LUMINAIRE #	HPS	PED PUSH-BUTTON	STREET NAME SIGN	LEGEND	LOCATION
1	24-4-100	2010	35'	SV-1-T	SP-1-T	15'	250W	64	R.R.	Commerce Center Dr	A
2	15T5	2010	-	SV-1-T	SP-1-T	15'	250W	1	-	-	10'
3	15T5	2010	-	SV-1-T	SP-1-T	15'	250W	1	-	-	14'
4	15T5	2010	-	SV-2-TA	SP-1-T	15'	250W	-	-	-	1'
5	29-5-100	2010	55'	SV-2-TA	-	15'	250W	-	R.R.	Commerce Center Dr	SEE PLAN
6	29-5-100	2010	45'	SV-2-TA	SP-1-T	15'	250W	1	R.R.	Magic Mtn. Pkwy.	SEE PLAN

**CONSTRUCTION NOTES**

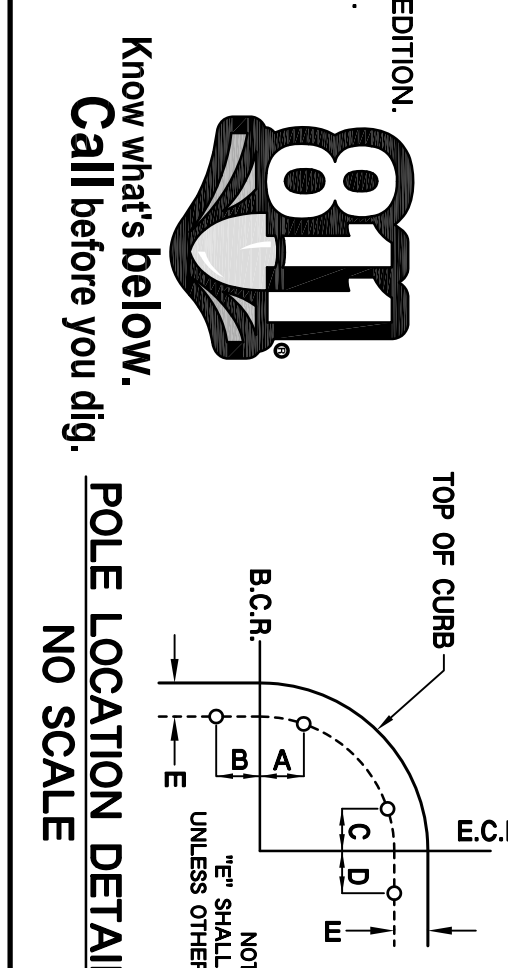
- FURNISH AND INSTALL NEW TYPE 332 CABINET ON NEW FOUNDATION COMPLETE WITH TYPE 170 ATCH-11 CONTROLER, LACO-DE PROGRAM, (2) PED ISOLATION MODULES, (4) Z-CHANNEL, ILD SENSOR UNITS, (6) SWITCH PAGES, GPS UNIVERSAL TIME BASE UNIT AND ANTENNA, (3) TIER8 VANTAGE EDGE 2 PROCESSORS AND TIER8 EDGE CONNECTOR APPROVED EQUIPMENT VEHICLE PREPARATION MODULES, ALL OTHER EQUIPMENT NECESSARY FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN. SEE SPECIAL PROVISIONS.
- INSTALL NEW TYPE III-BF ANODIZED ALUMINUM UNDERGROUND SERVICE COMPLETE WITH FOUNDATION AND BATTERY BACKUP SYSTEM PER COUNTY OF LOS ANGELES DPW SPECIFICATIONS (SEE SPECIAL PROVISIONS).
- INSTALL LOOP(S) AS SHOWN.
- INSTALL 2" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL 3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL 2-3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST ARM WITH PIPE EXTENSION PER MANUFACTURER'S SPECIFICATIONS. SEE SPECIAL PROVISIONS.
- INSTALL 3" PVC CONDUIT PER SOE SPECIFICATION. SEE GENERAL NOTE 22.

100% COUNTY OF LOS ANGELES

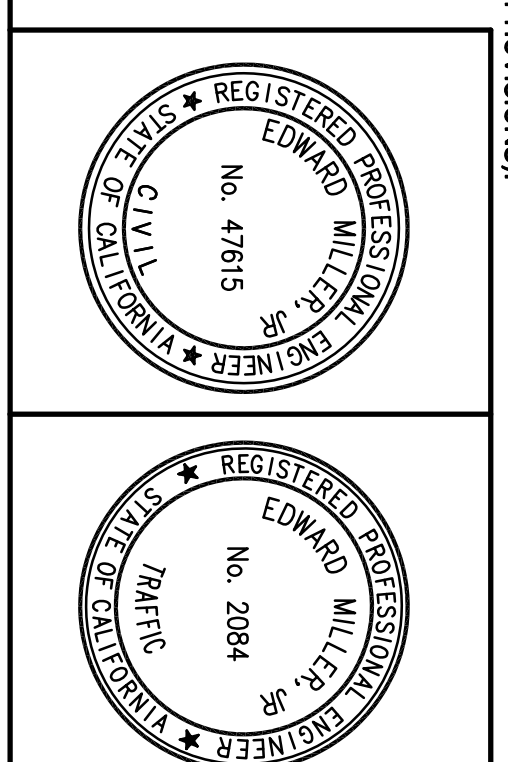
REVISIONS

#	DATE	BY

ALL EQUIPMENT IS NEW.  
 R.R. - RETRO REFLECTIVE STREET NAME SIGN.  
 \* ROTATE LUMINAIRE MAST ARM 90° COUNTER CLOCKWISE.  
 \* INSTALL HIGHWAY SAFETY LIGHT WITH L.E.D. EQUIVALENTS FOR HPS PER SPECIAL PROVISIONS.  
 ALL SIGNAL MOUNTINGS SHALL BE PER STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.  
 ALL NEW SIGNAL POLES AND MAST ARMS SHALL BE PER CALTRANS STANDARD PLANS, 2010 EDITION.



POLE LOCATION DETAIL  
 NO SCALE



PREPARED BY:  
**ADANTIC Consulting Engineers**  
 21700 Cogey Drive, Suite 350  
 Diamond Bar, CA 91765  
 Tel: (909) 860-6222  
 Fax: (909) 860-6722  
 www.adantic-usa.com

REVIEWED: COUNTY OF LOS ANGELES  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 RECOMMENDED: COUNTY OF LOS ANGELES  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED: GAIL FABER, DIRECTOR OF PUBLIC WORKS  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 ASSISTANT DEPUTY DIRECTOR

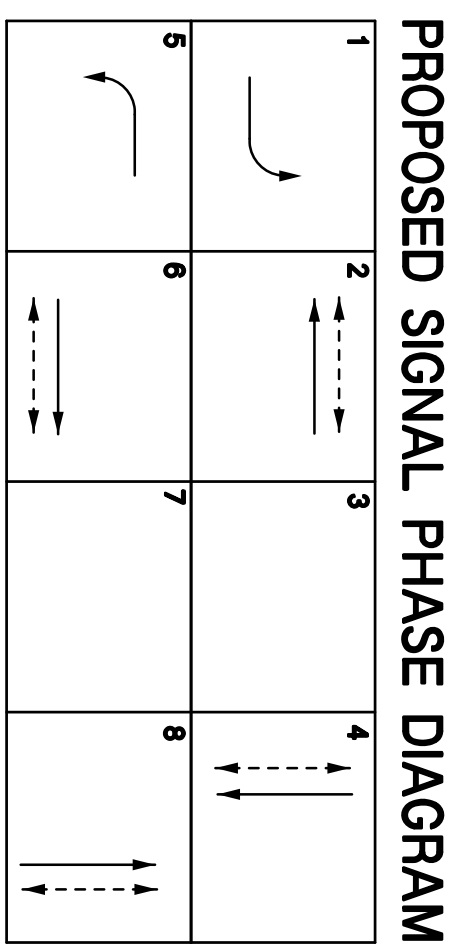
COUNTY OF LOS ANGELES  
 DEPARTMENT OF PUBLIC WORKS  
 TRAFFIC AND LIGHTING DIVISION

TRAFFIC SIGNAL PLAN  
 MAGIC MOUNTAIN PARKWAY  
 AT COMMERCE CENTER DRIVE

TR 61105 SH: 1 OF 1 SCALE: 1"=20'  
 T.S. 6152

T.G. 4549-J3

THIS PLAN EXPIRES TWO YEARS AFTER APPROVAL DATE

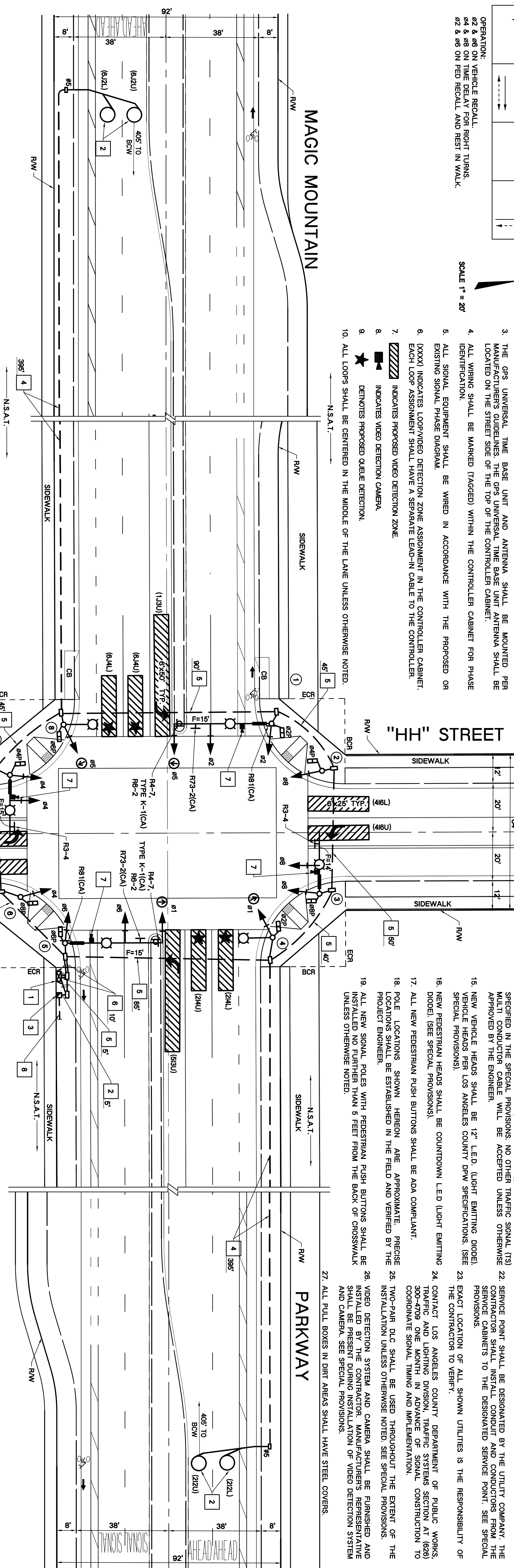


OPERATION:  
 #2 & #8 ON VEHICLE RECALL.  
 #2 & #8 ON TIME DELAY FOR RIGHT TURNS.  
 #2 & #8 ON PED RECALL AND REST IN WALK.

SCALE 1" = 20'

**GENERAL NOTES:**

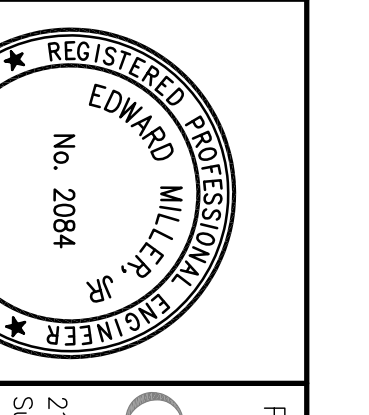
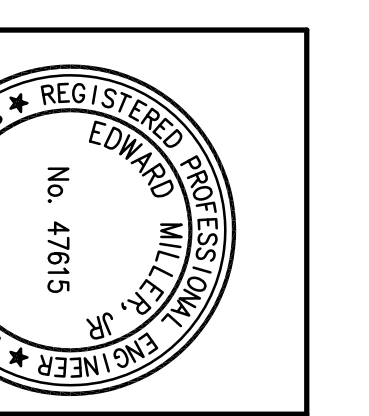
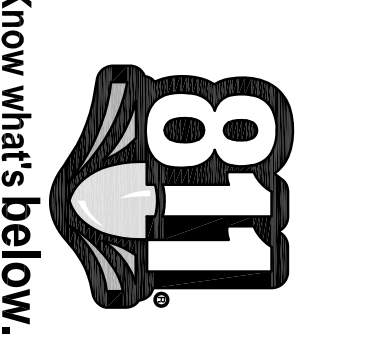
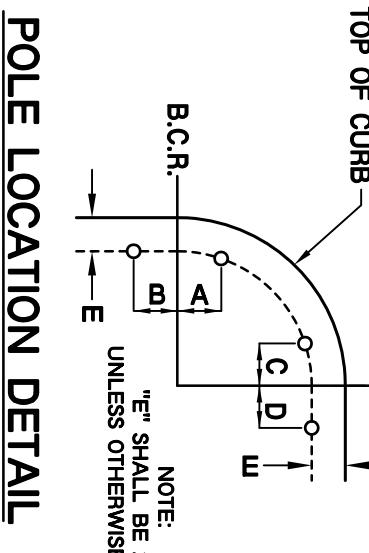
- TRAFFIC SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS SHALL CONFORM TO THE LOS ANGELES COUNTY STANDARD WHICH INCLUDE THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 2012 EDITION, AND THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC SIGNAL CONTROL, EQUIPMENT SPECIFICATIONS, LATEST EDITION, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIAL PROVISIONS.
- ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- THE GPS UNIVERSAL TIME BASE UNIT AND ANTENNA SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE GPS UNIVERSAL TIME BASE ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
- ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE PROPOSED OR EXISTING SIGNAL PHASE DIAGRAM.
- (XXXX) INDICATES LOOP/VIDEO DETECTION ZONE ASSIGNMENT IN THE CONTROLLER CABINET. EACH LOOP ASSIGNMENT SHALL HAVE A SEPARATE LEAD-IN CABLE TO THE CONTROLLER.
- INDICATES PROPOSED VIDEO DETECTION ZONE.
- INDICATES VIDEO DETECTION CAMERA.
- ★ DENOTES PROPOSED QUEUE DETECTION.
- ALL LOOPS SHALL BE CENTERED IN THE MIDDLE OF THE LANE UNLESS OTHERWISE NOTED.
- ALL LOOPS SHALL BE ROUND (6" DIAMETER), UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE NO. 6 UNLESS SHOWN OTHERWISE.
- ALL NEW UNDERGROUND CONDUIT SHALL BE SCHEDULE 80 PVC.
- THREE-CONDUCTOR CABLE (3CS), FIVE-CONDUCTOR CABLE (5CS), AND TWELVE-CONDUCTOR CABLE (12CS) SHALL BE INSTALLED IN 2" RIGID OR 2" FLEXIBLE CONDUIT. CONDUIT SHALL BE INSTALLED IN ACCORDANCE WITH THE CALTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF LOCAL STREETS AND ROADS (LATEST EDITION). UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS NO OTHER TRAFFIC SIGNAL (TS) MULTI CONDUCTOR CABLE WILL BE ACCEPTED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- NEW VEHICLE HEADS SHALL BE 12" LED (LIGHT EMITTING DIODE). VEHICLE HEADS PER LOS ANGELES COUNTY DPW SPECIFICATIONS. (SEE SPECIAL PROVISIONS).
- NEW PEDESTRIAN HEADS SHALL BE COUNTDOWN LED (LIGHT EMITTING DIODE). (SEE SPECIAL PROVISIONS).
- ALL NEW PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT.
- POLE LOCATIONS SHOWN HEREON ARE APPROXIMATE. PRECISE LOCATIONS SHALL BE ESTABLISHED IN THE FIELD AND VERIFIED BY THE PROJECT ENGINEER.
- ALL NEW SIGNAL POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED NO FURTHER THAN 5 FEET FROM THE BACK OF CROSSWALK UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MAINTAIN PROPER ADA CLEARANCES AROUND ALL NEW POLES, CABINETS OR ANY OTHER ABOVE-GROUND EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT. ALL NEW POLES, CONDUIT AND PULL BOXES SHALL BE INSTALLED OUTSIDE OF CURB ACCESS RAMPS.
- THE 3-INCH CONDUIT FROM THE EDGE PULL BOX TO THE SERVICE CABINET SHALL BE INSTALLED PER THE COMPANY REQUIREMENTS FOR ELECTRICAL SERVICE CONNECTION. CALL SOUTHERN CALIFORNIA Edison COMPANY, MR. SCOTT WALKER AT (661) 257-8295. APPLICABLE SERVICE CONNECTION, RISER COSTS, AND CONSTRUCTION TAX SHALL BE PAID BY THE CONTRACTOR.
- SERVICE POINT SHALL BE DESIGNATED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL INSTALL CONDUIT AND CONDUITORS FROM THE SERVICE CABINETS TO THE DESIGNATED SERVICE POINT. SEE SPECIAL PROVISIONS.
- EXACT LOCATION OF ALL SHOWN UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY.
- CONTACT LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC AND LIGHTING DIVISION, TRAFFIC SYSTEMS SECTION AT (626) 300-4709 ONE MONTH IN ADVANCE OF SIGNAL CONSTRUCTION TO COORDINATE SIGNAL TIMING AND IMPLEMENTATION.
- TWO-PAIR DLC SHALL BE USED THROUGHOUT THE EXTENT OF THE INSTALLATION UNLESS OTHERWISE NOTED. SEE SPECIAL PROVISIONS.
- VIDEO DETECTION SYSTEM AND CAMERA SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. MANUFACTURER'S REPRESENTATIVE SHALL BE PRESENT DURING INSTALLATION OF VIDEO DETECTION SYSTEM AND CAMERA. SEE SPECIAL PROVISIONS.
- ALL PULL BOXES IN DIRT AREAS SHALL HAVE STEEL COVERS.



**CONSTRUCTION NOTES**

- FURNISH AND INSTALL NEW TYPE 332 CABINET ON NEW FOUNDATION COMPLETE WITH TYPE 170 ATCH-C-11 CONTROLLER, LACO-4E PROGRAM, (2) PED ISOLATION MODULES, (2) 2-CHANNEL, ILD SENSOR UNITS, (10) SWITCH PACKS, BATTERY BACK-UP SYSTEM, GPS UNIVERSAL TIME BASE UNIT AND ANTENNA, (4) TIERIS VANTAGE EDGE 2 PROCESSORS AND TIERIS EDGE CONNECT OR APPROVED EQUAL, 17" RACK MOUNTED LOD MONITOR DRAWER, AND ALL OTHER EQUIPMENT NECESSARY FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN. (SEE SPECIAL PROVISIONS).
- INSTALL (LOOPS) AS SHOWN.
- INSTALL NEW TYPE III-BF ANODIZED ALUMINUM UNDERGROUND SERVICE COMPLETE WITH FOUNDATION AND BATTERY BACKUP SYSTEM PER COUNTY OF LOS ANGELES DPW SPECIFICATIONS (SEE SPECIAL PROVISIONS).
- INSTALL 2" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL 3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL 2-3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST ARM WITH PIPE EXTENSION PER MANUFACTURER'S SPECIFICATIONS. SEE SPECIAL PROVISIONS.
- INSTALL 3" PVC CONDUIT PER SOE SPECIFICATION. SEE GENERAL NOTE 22.

POLE SCHEDULE												
POLE NO.	TYPE	SPEC YEAR	M.A. LENGTH	M.A. SIGNAL	POLE	PED	LUMINAIRE * M.A. LENGTH	HRS WATTS	NO. PHASE	STREET NAME SIGN	LEGEND	LOCATION
1	24-4-100	2010	40'	2-MAS	SV-1-T	SP-1-T	15'	250W	1	HH Street	HH Street	A
2	1A-10'	2010	-	-	TV-1-T	SP-1-T	-	-	-	KK Street	KK Street	B
3	19-4-100	2010	26'	MAS	SV-1-T	SP-1-T	12'	100W	-	Magic Mtn. Pkwy.	Magic Mtn. Pkwy.	C
4	15TS	2010	-	-	SV-1-T	SP-1-T	12'	250W	1	HH Street	HH Street	D
5	24-4-100	2010	40'	2-MAS	SV-1-T	SP-1-T	15'	250W	1	HH Street	HH Street	E
6	1A-10'	2010	-	-	TV-1-T	SP-1-T	-	-	-	KK Street	KK Street	F
7	19-4-100	2010	26'	MAS	SV-1-T	SP-1-T	15'	250W	-	Magic Mtn. Pkwy.	Magic Mtn. Pkwy.	G
8	15TS	2010	-	-	SV-1-T	SP-1-T	12'	250W	1	HH Street	HH Street	H



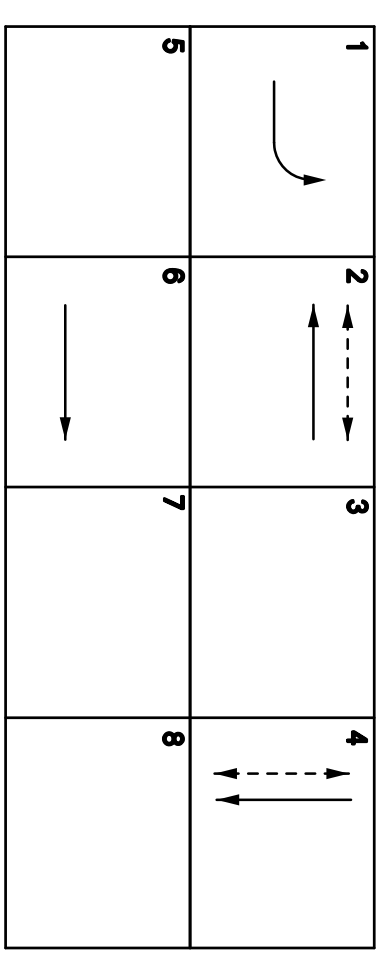
PREPARED BY: **ADIANTRC Consulting Engineers**  
 21700 Cogley Drive, Suite 350, Diamond Bar, CA 91765  
 Tel: (909) 860-6222, Fax: (909) 860-6722, www.adiantrc-usa.com

REVIEWED: COUNTY OF LOS ANGELES  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 RECOMMENDED: COUNTY OF LOS ANGELES  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED: GAIL FABER, DIRECTOR OF PUBLIC WORKS  
 BY: \_\_\_\_\_ DATE \_\_\_\_\_  
 ASSISTANT DEPUTY DIRECTOR

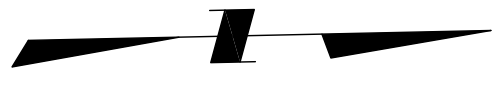
COUNTY OF LOS ANGELES  
 DEPARTMENT OF PUBLIC WORKS  
 TRAFFIC AND LIGHTING DIVISION  
**MAGIC MOUNTAIN PARKWAY  
 AT "HH" / "KK" STREET**



**PROPOSED SIGNAL PHASE DIAGRAM**

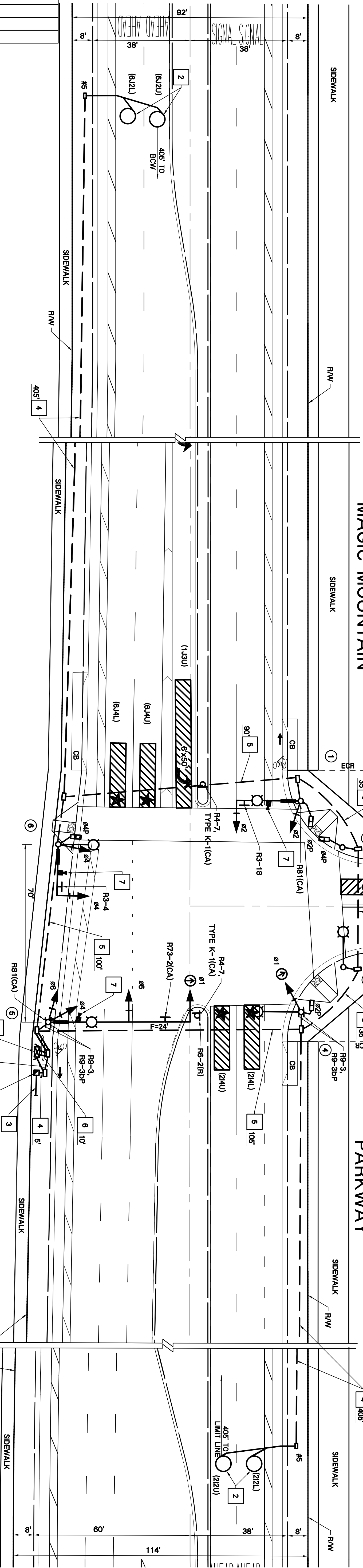


OPERATION: VEHICLE CALL  
 #2 & #6 ON LEFT FOR RIGHT TURN  
 #2 ON PED RECALL AND REST IN WALK



**GENERAL NOTES:**

- TRAFFIC SIGNAL, LIGHTING, AND ELECTRICAL SYSTEMS SHALL CONFORM TO THE LOS ANGELES COUNTY STANDARDS WHICH INCLUDE THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 2012 EDITION, AND THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC SIGNAL CONTROL EQUIPMENT SPECIFICATIONS, LATEST EDITION, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIAL PROVISIONS.
- ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- THE GPS UNIVERSAL TIME BASE UNIT, AND ANTENNA, SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE GPS UNIVERSAL TIME BASE UNIT ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
- ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE PROPOSED OR EXISTING SIGNAL PHASE DIAGRAM.
- (XXXX) INDICATES LOOPVIDEO DETECTION ZONE ASSIGNMENT IN THE CONTROLLER CABINET. EACH LOOP ASSIGNMENT SHALL HAVE A SEPARATE LEAD-IN CABLE TO THE CONTROLLER.
- INDICATES PROPOSED VIDEO DETECTION ZONE
- INDICATES VIDEO DETECTION CAMERA
- DETMOTES PROPOSED QUEUE DETECTION
- ALL LOOPS SHALL BE CENTERED IN THE MIDDLE OF THE LANE UNLESS OTHERWISE NOTED.



**MAGIC MOUNTAIN**

**"I" PRIVATE DRIVE**

**PARKWAY**

**CONSTRUCTION NOTES**

- FURNISH AND INSTALL NEW TYPE 332 CABINET ON NEW FOUNDATION COMPLETE WITH TYPE 170 AT04C-11 CONTROLTER, LAD0-4E PROGRAM, (1) PED ISOLATION MODULE (2) 2-CHANNEL IJD SENSOR UNITS, (6) SWITCH PACK(S), GPS UNIVERSAL TIME BASE UNIT AND ANTENNA, (3) ITEMS VANTAGE EDGE 2 PROCESSORS AND ITEMS EDGE CONNECT OR APPROVED OTHER EQUIPMENT NECESSARY FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN. SEE SPECIAL PROVISION.
- INSTALL LOOP(S) AS SHOWN.
- INSTALL 3" PVC CONDUIT PER S0E SPECIFICATION. SEE GENERAL NOTE 22.
- INSTALL 2" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL 3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL 2-3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST ARM WITH PERMANENTLY PER MANUFACTURER'S SPECIFICATIONS. SEE SPECIAL PROVISIONS.
- INSTALL NEW TYPE III-BF ANODIZED ALUMINUM UNDERGROUND SIGNAL CABINET WITH FOUNDATION AND BATTERY BACKUP SYSTEM PER THE LOS ANGELES DPW SPECIFICATIONS (SEE SPECIAL PROVISIONS).

- ALL LOOPS SHALL BE ROUND (6" DIAMETER), UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE NO. 6 UNLESS SHOWN OTHERWISE.
- ALL NEW UNDERGROUND CONDUIT SHALL BE SCHEDULE 80 PVC, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- THREE-CONDUCTOR CABLE (3CG3), FIVE-CONDUCTOR CABLE (5CG5) AND THIRTY-CONDUCTOR CABLE (17CG1) SHALL BE INSTALLED PER SECTION 96-2.09D OF THE CALTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF LOCAL STREETS AND ROADS (LATEST EDITION), UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS. NO OTHER TRAFFIC SIGNAL (TS) MULTI-CONDUCTOR CABLE WILL BE ACCEPTED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- NEW VEHICLE HEADS SHALL BE 12" LED (LIGHT EMITTING DIODE) VEHICLE HEADS PER LOS ANGELES COUNTY DPW SPECIFICATIONS. (SEE SPECIAL PROVISIONS).
- NEW PEDESTRIAN HEADS SHALL BE COUNTDOWN LED (LIGHT EMITTING DIODE). (SEE SPECIAL PROVISIONS).
- ALL NEW PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT.
- POLE LOCATIONS SHOWN HEREON ARE APPROXIMATE. PRECISE LOCATIONS SHALL BE ESTABLISHED IN THE FIELD AND VERIFIED BY THE PROJECT ENGINEER.
- ALL NEW SIGNAL POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED NO FURTHER THAN 5 FEET FROM THE BACK OF CROSSWALK UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MAINTAIN PROPER ADA CLEARANCES AROUND ALL NEW POLES, CABINETS OR ANY OTHER ABOVE-GROUND EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT. ALL NEW POLES, CONDUIT, AND PULL BOXES SHALL BE INSTALLED OUTSIDE OF CURB ACCESS RAMPS.
- ALL NEW SIGNAL POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED NO FURTHER THAN 5 FEET FROM THE BACK OF CROSSWALK UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MAINTAIN PROPER ADA CLEARANCES AROUND ALL NEW POLES, CABINETS OR ANY OTHER ABOVE-GROUND EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT. ALL NEW POLES, CONDUIT, AND PULL BOXES SHALL BE INSTALLED OUTSIDE OF CURB ACCESS RAMPS.
- ALL PULL BOXES IN DIRT AREAS SHALL HAVE STEEL COVERS.
- THE CONTRACTOR SHALL MAINTAIN PROPER ADA CLEARANCES AROUND ALL NEW POLES, CABINETS OR ANY OTHER ABOVE-GROUND EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT. ALL NEW POLES, CONDUIT, AND PULL BOXES SHALL BE INSTALLED OUTSIDE OF CURB ACCESS RAMPS.
- CONTRACT LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, TRAFFIC AND LIGHTING DIVISION, TRAFFIC SYSTEMS SECTION AT (626) 300-4709 ONE MONTH IN ADVANCE OF SIGNAL CONSTRUCTION TO COORDINATE SIGNAL TIMING AND IMPLEMENTATION.
- TWO-PART PLC SHALL BE USED THROUGHOUT THE EXTENT OF THE INSTALLATION UNLESS OTHERWISE NOTED. SEE SPECIAL PROVISIONS.
- VIDEO DETECTION SYSTEM AND CAMERA SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. MANUFACTURERS REPRESENTATIVE SHALL BE PRESENT DURING INSTALLATION OF VIDEO DETECTION SYSTEM AND CAMERA. SEE SPECIAL PROVISIONS.
- ALL PULL BOXES IN DIRT AREAS SHALL HAVE STEEL COVERS.

100% COUNTY OF LOS ANGELES

REVISIONS				
NO.	BY	DATE	CAD FILE NAME	PROJECT

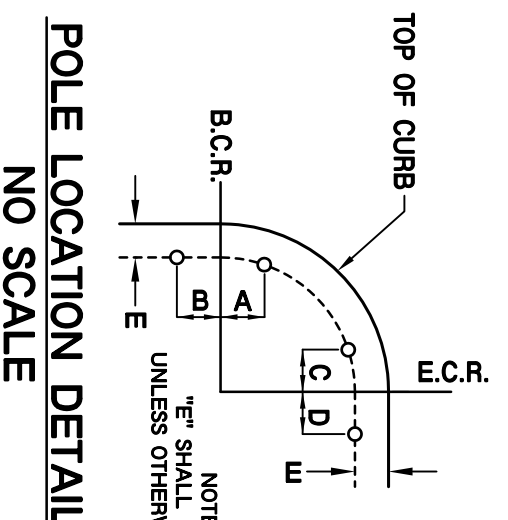
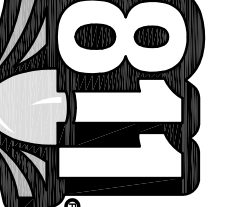
  

POLE SCHEDULE						
NO.	TYPE	SPEC YEAR	SIGNAL M.A. LENGTH	SIGNAL M.A. POLE	POLE MOUNTING	PEDESTRIAN BUTTON
①	19-4-100	2010	25'	MAS	SI-1-T	SP-1-T
②	1A-10'	2010	-	-	-	SP-1-T
③	15TS	2010	-	-	-	SP-1-T
④	15TS	2010	-	-	-	SP-1-T
⑤	29-5-100	2010	55'	2-MAS	SI-2-TA	SP-1-T
⑥	19-4-100	2010	30'	MAS	SI-1-T	SP-1-T

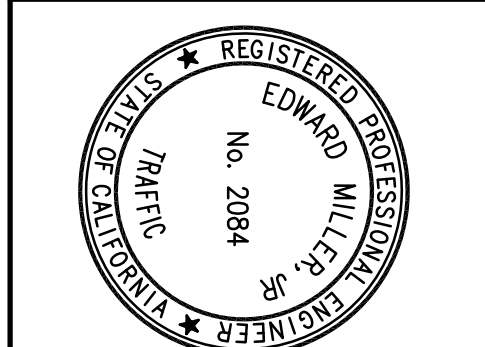
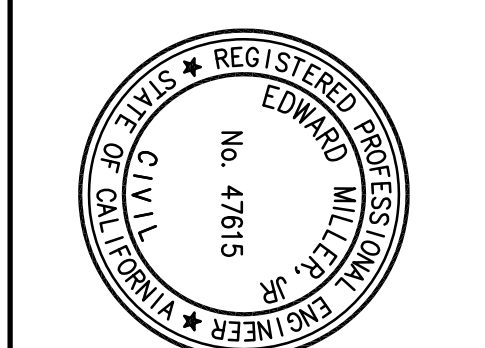
  

POLE MOUNTING						
NO.	TYPE	SPEC YEAR	SIGNAL M.A. LENGTH	SIGNAL M.A. POLE	POLE MOUNTING	PEDESTRIAN BUTTON

ALL EQUIPMENT IS NEW.  
 R.R. - RETRO REFLECTIVE STREET NAME SIGN.  
 ■ ROTATE LUMINAIRE MAST ARM 90° COUNTER CLOCKWISE  
 \* INSTALL HIGHWAY SAFETY LIGHT WITH LED EQUIVALENTS FOR HPS PER SPECIAL PROVISIONS.  
 ALL SIGNAL MOUNTINGS SHALL BE PER STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.  
 ALL NEW SIGNAL POLES AND MAST ARMS SHALL BE PER CALTRANS STANDARD PLANS, 2010 EDITION.



POLE LOCATION DETAIL  
 NO SCALE



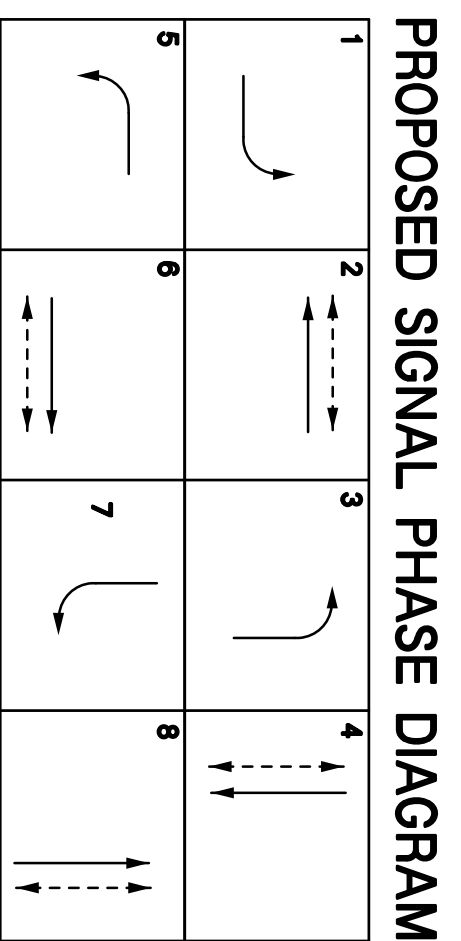
PREPARED BY: ADIVANTPC Consulting Engineers  
 21700 Cogey Drive, Suite 350, Diamond Bar, CA 91765  
 Tel: (909) 860-6222, Fax: (909) 860-6722, www.adivantpc-usa.com

REVIEWED: COUNTY OF LOS ANGELES  
 DATE: 02/27/2015  
 BY: ASSISTANT DEPUTY DIRECTOR

COUNTY OF LOS ANGELES  
 DEPARTMENT OF PUBLIC WORKS  
 TRAFFIC AND LIGHTING DIVISION  
 TRAFFIC SIGNAL PLAN  
 MAGIC MOUNTAIN PARKWAY  
 AT "I" PRIVATE DRIVE

T.G. 4549-H3

THIS PLAN EXPIRES TWO YEARS AFTER APPROVAL DATE



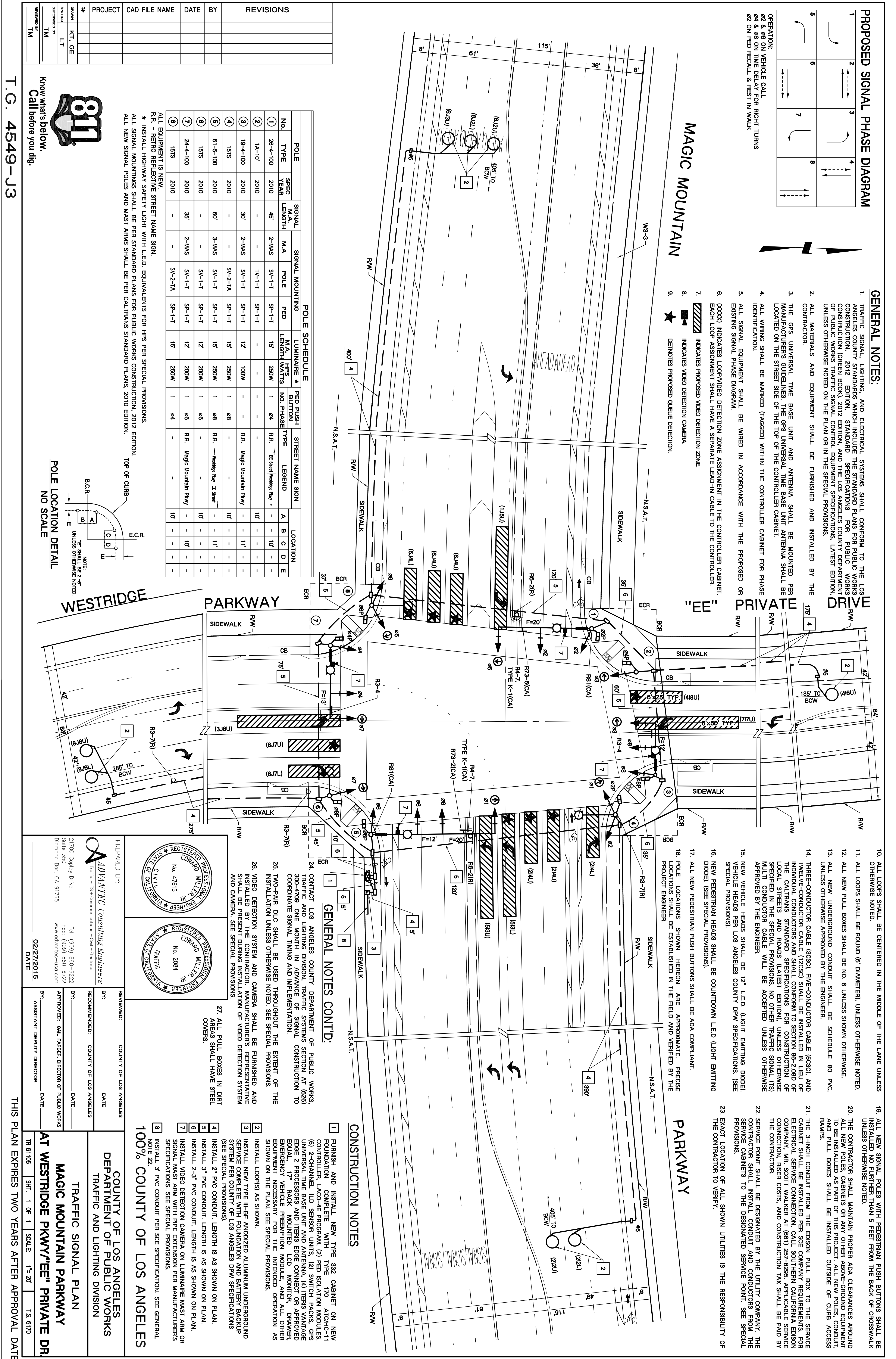
OPERATION:  
 #2 & #8 ON VEHICLE CALL  
 #4 & #6 ON TIME DELAY FOR RIGHT TURNS  
 #2 ON PED RECALL & REST IN WALK

**GENERAL NOTES:**

1. TRAFFIC SIGNAL, LIGHTING, AND ELECTRICAL SYSTEMS SHALL CONFORM TO THE LOS ANGELES COUNTY STANDARDS WHICH INCLUDE THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 2012 EDITION, AND THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC SIGNAL CONTROL, EQUIPMENT SPECIFICATIONS, LATEST EDITION, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIAL PROVISIONS.
2. ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
3. THE GPS UNIVERSAL TIME BASE UNIT AND ANTENNA SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE GPS UNIVERSAL TIME BASE UNIT ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
4. ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
5. ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE PROPOSED OR EXISTING SIGNAL PHASE DIAGRAM.
6. (XXXX) INDICATES LOOP/VIDEO DETECTION ZONE ASSIGNMENT IN THE CONTROLLER CABINET. EACH LOOP ASSIGNMENT SHALL HAVE A SEPARATE LEAD-IN CABLE TO THE CONTROLLER.
7. INDICATES PROPOSED VIDEO DETECTION ZONE.
8. INDICATES VIDEO DETECTION CAMERA.
9. DENOTES PROPOSED QUEUE DETECTION.
10. ALL LOOPS SHALL BE CENTERED IN THE MIDDLE OF THE LANE UNLESS OTHERWISE NOTED.
11. ALL LOOPS SHALL BE ROUNDED (6" DIAMETER), UNLESS OTHERWISE NOTED.
12. ALL NEW PULL BOXES SHALL BE NO. 6 UNLESS SHOWN OTHERWISE.
13. ALL NEW UNDERGROUND CONDUIT SHALL BE SCHEDULE 80 PVC, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
14. THREE-CONDUCTOR CABLE (3CS3), FIVE-CONDUCTOR CABLE (5CS5), AND TWELVE-CONDUCTOR CABLE (12CS12) SHALL BE INSTALLED IN LIEU OF INDIVIDUAL CONDUCTORS AND SHALL CONFORM TO SECTION 86-2.08D OF THE CALTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF LOCAL STREETS AND ROADS (LATEST EDITION), UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS. NO OTHER TRAFFIC SIGNAL (TS) MULTI CONDUCTOR CABLE WILL BE ACCEPTED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
15. NEW VEHICLE HEADS SHALL BE 12" L.E.D. (LIGHT EMITTING DIODE) VEHICLE HEADS PER LOS ANGELES COUNTY DRW SPECIFICATIONS. (SEE SPECIAL PROVISIONS).
16. NEW PEDESTRIAN HEADS SHALL BE COUNTDOWN L.E.D. (LIGHT EMITTING DIODE). (SEE SPECIAL PROVISIONS).
17. ALL NEW PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT.
18. POLE LOCATIONS SHOWN HEREON ARE APPROXIMATE. PRECISE LOCATIONS SHALL BE ESTABLISHED IN THE FIELD AND VERIFIED BY THE PROJECT ENGINEER.
19. ALL NEW SIGNAL POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED NO FURTHER THAN 5 FEET FROM THE BACK OF CROSSWALK UNLESS OTHERWISE NOTED.
20. THE CONTRACTOR SHALL MAINTAIN PROPER ADA CLEARANCES AROUND ALL NEW POLES, CABINETS OF ANY OTHER ABOVE-GROUND EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT. ALL NEW Poles, CONDUIT, AND PULL BOXES SHALL BE INSTALLED OUTSIDE OF CURB ACCESS RAMPS.
21. THE 3-INCH CONDUIT FROM THE EDISON PULL BOX TO THE SERVICE CABINET SHALL BE INSTALLED PER SEE COMPANY REQUIREMENTS. FOR ELECTRICAL SERVICE CONNECTION, CALL SOUTHERN CALIFORNIA EDISON COMPANY, MR. SCOTT WALKER AT (661) 257-8295. APPLICABLE SERVICE CONNECTION, RISER COSTS, AND CONSTRUCTION TAX SHALL BE PAID BY THE CONTRACTOR.
22. SERVICE POINT SHALL BE DESIGNATED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL INSTALL CONDUIT AND CONDUCTORS FROM THE SERVICE CABINETS TO THE DESIGNATED SERVICE POINT. SEE SPECIAL PROVISIONS.
23. EXACT LOCATION OF ALL SHOWN UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY.

**MAGIC MOUNTAIN**

**PARKWAY**



**POLE SCHEDULE**

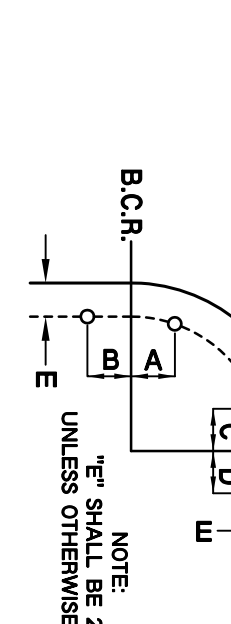
NO.	TYPE	SPEC YEAR	M.A. LENGTH	M.A. YEAR	POLE	PEDESTRIAN	LUMINAIRE * NO.	HRS WATTS	PHASE	STREET NAME SIGN	LEGEND	LOCATION
1	28-4-100	2010	45'	2-MAS	SV-1-T	SP-1-T	15'	250W	1	EA Street Message Hwy	A	10'
2	1A-10'	2010	-	-	TV-1-T	SP-1-T	-	-	-	EA Street Message Hwy	B	10'
3	19-4-100	2010	30'	2-MAS	SV-1-T	SP-1-T	12'	100W	-	Magic Mountain Hwy	C	11'
4	15T5	2010	-	-	SV-2-TA	SP-1-T	15'	250W	1	EA Street Message Hwy	D	10'
5	61-5-100	2010	60'	3-MAS	SV-1-T	SP-1-T	15'	250W	1	EA Street Message Hwy	E	11'
6	15T5	2010	-	-	SV-1-T	SP-1-T	12'	200W	1	EA Street Message Hwy	F	10'
7	24-4-100	2010	35'	2-MAS	SV-1-T	SP-1-T	12'	200W	1	Magic Mountain Hwy	G	10'
8	15T5	2010	-	-	SV-2-TA	SP-1-T	15'	250W	1	EA Street Message Hwy	H	10'

**GENERAL NOTES CONT'D:**

1. FURNISH AND INSTALL NEW TYPE 332 CABINET ON NEW FOUNDATION COMPLETE WITH TYPE 170 ATCH-11 CONTROLLER, LACO-4E PROGRAM, (2) PED ISOLATION MODULES, (5) 2-CHANNEL I.L.D SENSOR UNITS, (2) SWITCH PACKS, GPS UNIVERSAL TIME BASE UNIT AND ANTENNA, (4) ITEMS VANTAGE EDGE 2 PROCESSORS AND TETHERS LCD CONNECT OR APPROVED EQUAL, 17" RACK MOUNTED ECG MONITOR, DRAWER EMERGENCY VEHICLE PREEMPTION MODULE, AND ALL OTHER EQUIPMENT NECESSARY FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN. SEE SPECIAL PROVISIONS.
2. INSTALL NEW TYPE ILL-6P ANODIZED ALUMINUM UNDERGROUND SERVICE COMPLETE WITH FOUNDATION AND BATTERY BACKUP SYSTEM PER COUNTY OF LOS ANGELES DRW SPECIFICATIONS (SEE SPECIAL PROVISIONS).
3. INSTALL 2" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
4. INSTALL 3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
5. INSTALL 2-3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
6. INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST ARM WITH PIPE EXTENSION PER MANUFACTURER'S SPECIFICATIONS. SEE SPECIAL PROVISIONS.
7. INSTALL 3" PVC CONDUIT PER SEE SPECIFICATION. SEE GENERAL NOTE 22.
8. 100% COUNTY OF LOS ANGELES

**CONSTRUCTION NOTES**

1. FURNISH AND INSTALL NEW TYPE 332 CABINET ON NEW FOUNDATION COMPLETE WITH TYPE 170 ATCH-11 CONTROLLER, LACO-4E PROGRAM, (2) PED ISOLATION MODULES, (5) 2-CHANNEL I.L.D SENSOR UNITS, (2) SWITCH PACKS, GPS UNIVERSAL TIME BASE UNIT AND ANTENNA, (4) ITEMS VANTAGE EDGE 2 PROCESSORS AND TETHERS LCD CONNECT OR APPROVED EQUAL, 17" RACK MOUNTED ECG MONITOR, DRAWER EMERGENCY VEHICLE PREEMPTION MODULE, AND ALL OTHER EQUIPMENT NECESSARY FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN. SEE SPECIAL PROVISIONS.
2. INSTALL NEW TYPE ILL-6P ANODIZED ALUMINUM UNDERGROUND SERVICE COMPLETE WITH FOUNDATION AND BATTERY BACKUP SYSTEM PER COUNTY OF LOS ANGELES DRW SPECIFICATIONS (SEE SPECIAL PROVISIONS).
3. INSTALL 2" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
4. INSTALL 3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
5. INSTALL 2-3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
6. INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST ARM WITH PIPE EXTENSION PER MANUFACTURER'S SPECIFICATIONS. SEE SPECIAL PROVISIONS.
7. INSTALL 3" PVC CONDUIT PER SEE SPECIFICATION. SEE GENERAL NOTE 22.
8. 100% COUNTY OF LOS ANGELES



**REVISIONS**

NO.	DATE	BY	DESCRIPTION

**811**  
 Know what's below.  
 Call before you dig.

T.G. 4549-J3

**ADANTIC Consulting Engineers**  
 21700 Cogley Drive,  
 Suite 350  
 Diamond Bar, CA 91765  
 Tel: (909) 860-6222  
 Fax: (909) 860-6722  
 www.adantic-usa.com

**REGISTERED PROFESSIONAL ENGINEER**  
 EDWARD MILLER JR.  
 No. 47615  
 CIVIL ENGINEER

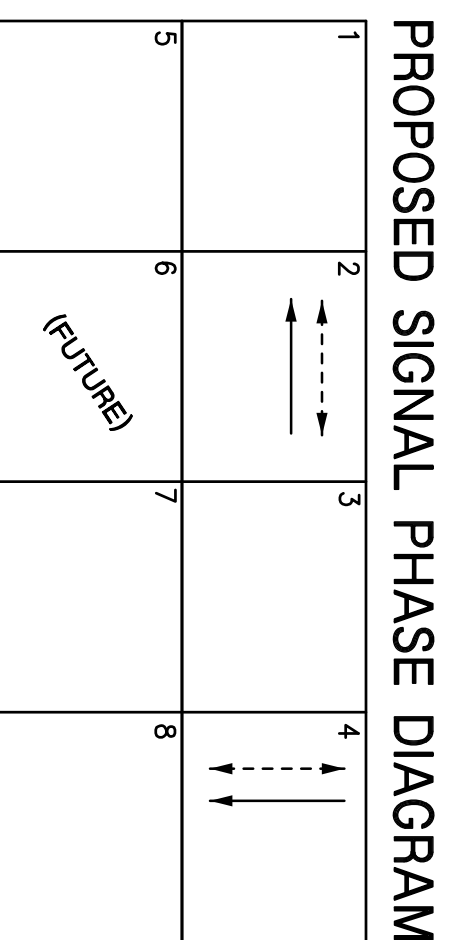
**REGISTERED PROFESSIONAL ENGINEER**  
 EDWARD MILLER JR.  
 No. 2084  
 TRAFFIC ENGINEER

PREPARED BY: \_\_\_\_\_ DATE: 02/27/2015  
 REVIEWED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 RECOMMENDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 APPROVED BY: GAIL FABER, DIRECTOR OF PUBLIC WORKS  
 ASSISTANT DEPUTY DIRECTOR

COUNTY OF LOS ANGELES  
 DEPARTMENT OF PUBLIC WORKS  
 TRAFFIC AND LIGHTING DIVISION

TRAFFIC SIGNAL PLAN  
 MAGIC MOUNTAIN PARKWAY  
 AT WESTRIDGE PKWY/EE PRIVATE DRIVE

THIS PLAN EXPIRES TWO YEARS AFTER APPROVAL DATE



OPERATION:  
 #2 ON VEHICLE RECALL  
 #4 ON DOUBLE ENTRY  
 #2 ON PED RECALL AND REST IN WALK

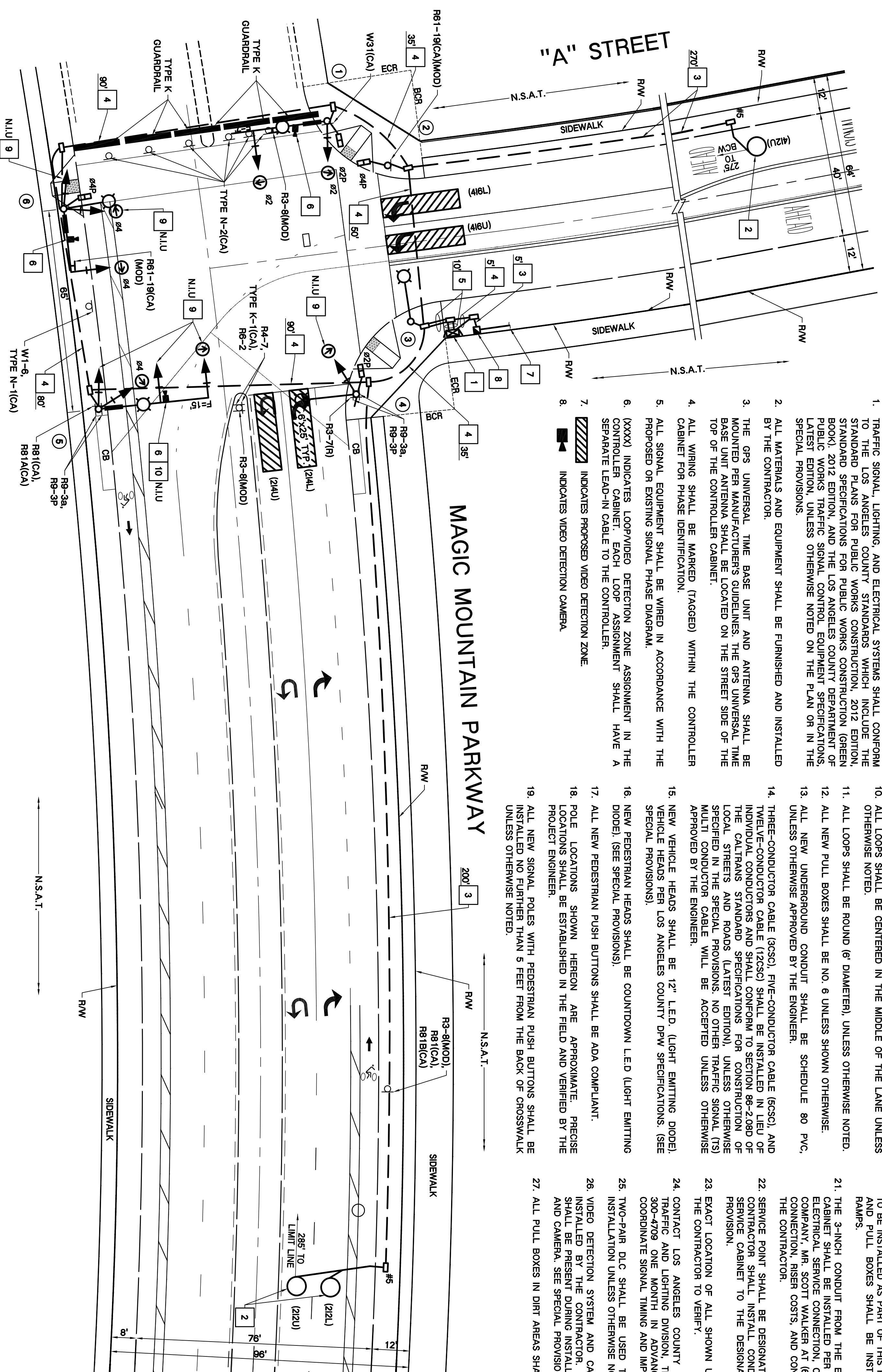
### CONSTRUCTION NOTES

- 1 FURNISH AND INSTALL NEW TYPE 332 CABINET ON NEW FOUNDATION. COMPLETE WITH TYPE 170 ATCH-11 CONTROLLER, LACO-4E PROGRAM, (2) PED SQUATION MODULES, (4) 2-CHANNEL LED SENSOR UNITS, (8) SWITCH PACKS, (8) 9'S PERALTIMETER MOUNTED AND AERIAL, (4) 17'S APPROX EDGE 17" BACK MOUNTED LED MONITOR DRAWER, AND ALL OTHER EQUIPMENT NECESSARY FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN. SEE SPECIAL PROVISIONS.
- 2 INSTALL LOOP(S) AS SHOWN.
- 3 INSTALL 2" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- 4 INSTALL 3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- 5 INSTALL 2-3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- 6 INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST ARM WITH PIPE EXTENSION PER MANUFACTURER'S SPECIFICATIONS. SEE SPECIAL PROVISIONS.
- 7 INSTALL 3" PVC CONDUIT PER SEE SPECIFICATION. SEE GENERAL NOTE 22.
- 8 INSTALL NEW TYPE III-BF ANODIZED ALUMINUM UNDERGROUND SERVICE COMPLETE WITH FOUNDATION AND BATTERY BACKUP SYSTEM PER COUNTY OF LOS ANGELES DPW SPECIFICATIONS (SEE SPECIAL PROVISIONS).
- 9 SIGNAL EQUIPMENT DESIGNATED AS NLU (NOT IN USE) SHALL BE POWERED DOWN (OFF) AND LENSES COVERED. THE COVER SHALL BE MADE OF PLASTIC OR ALUMINUM TO LAST UNTIL FUTURE DEVELOPMENT IS COMPLETED.
- 10 VIDEO DETECTION CAMERA DESIGNATED AS NLU (NOT IN USE) SHALL BE POWERED DOWN UNTIL FUTURE DEVELOPMENT IS COMPLETED.

### POLE SCHEDULE

NO.	TYPE	SPEC YEAR	SIGNAL M.A. LENGTH	M.A. MOUNTING	POLE	PED. PUSH BUTTON	STREET NAME SIGN	LEGEND	LOCATION
1	19-4-100	2010	30'	SY-1-T	SP-1-T	SP-1-T	"A" Street	-	A, B, C, D, E
2	1A-10'	2010	-	TV-1-T	SP-1-T	-	-	-	-
3	15TS	2010	-	-	-	-	-	-	-
4	15TS	2010	-	SY-1-T	SP-1-T	-	-	-	-
5	24-4-100	2010	35'	SY-2-T	SP-1-T	SP-1-T	"A" Street	-	-
6	19-4-100	2010	20'	SY-2-T	SP-1-T	SP-1-T	"A" Street	-	-

ALL EQUIPMENT IS NEW.  
 R.R. - RETRO REFLECTIVE STREET NAME SIGN.  
 \* INSTALL HIGHWAY SAFETY LIGHT WITH L.E.D. EQUIVALENTS FOR HPS PER SPECIAL PROVISIONS.  
 \*\* HIGHWAY SAFETY LIGHT TO BE ROTATED 90° COUNTER CLOCKWISE WHEN INSTALL.  
 ALL SIGNAL MOUNTINGS SHALL BE PER STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.  
 ALL NEW SIGNAL POLES AND MAST ARMS SHALL BE PER CALTRANS STANDARD PLANS, 2010 EDITION.

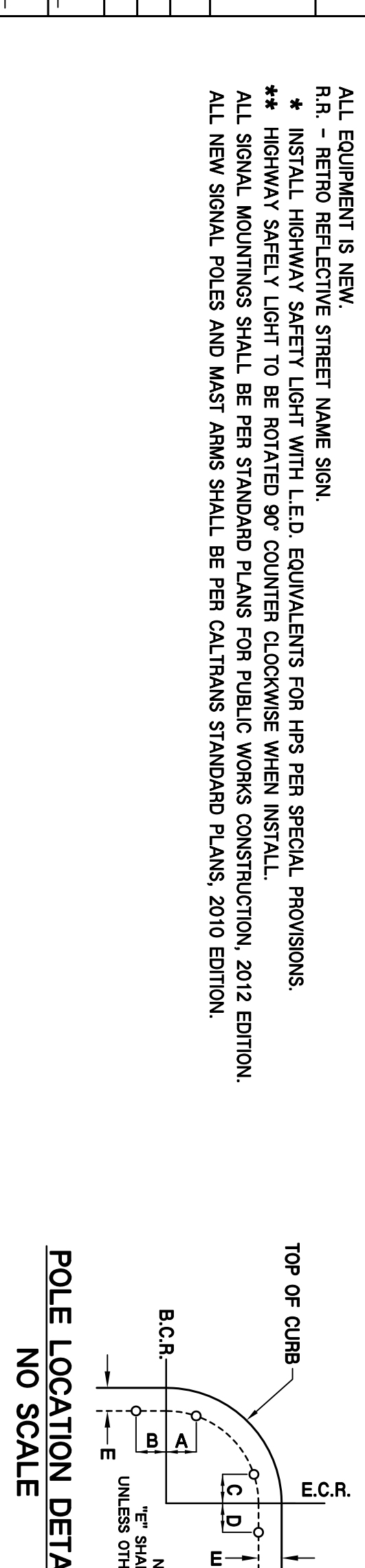


### GENERAL NOTES:

1. TRAFFIC SIGNAL, LIGHTING, AND ELECTRICAL SYSTEMS SHALL CONFORM TO THE LOS ANGELES COUNTY STANDARDS WHICH INCLUDE THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 2012 EDITION, AND THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC SIGNAL CONTROL EQUIPMENT SPECIFICATIONS (LATEST EDITION, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIAL PROVISIONS).
2. ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
3. THE GPS UNIVERSAL TIME BASE UNIT AND ANTENNA SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE GPS UNIVERSAL TIME BASE UNIT ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
4. ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
5. ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE PROPOSER OR EXISTING SIGNAL PHASE DIAGRAM.
6. (XXXX) INDICATES LOOP/VIDEO DETECTION ZONE ASSIGNMENT IN THE CONTROLLER CABINET. EACH LOOP ASSIGNMENT SHALL HAVE A SEPARATE LEAD-IN CABLE TO THE CONTROLLER.
7. [Symbol] INDICATES PROPOSED VIDEO DETECTION ZONE.
8. [Symbol] INDICATES VIDEO DETECTION CAMERA.
9. [Star Symbol] DENOTES PROPOSED QUEUE DETECTION.
10. ALL LOOPS SHALL BE CENTERED IN THE MIDDLE OF THE LANE UNLESS OTHERWISE NOTED.
11. ALL LOOPS SHALL BE ROUND (6" DIAMETER), UNLESS OTHERWISE NOTED.
12. ALL NEW PULL BOXES SHALL BE NO. 6 UNLESS SHOWN OTHERWISE.
13. ALL NEW UNDERGROUND CONDUIT SHALL BE SCHEDULE 90 PVC, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
14. THREE-CONDUCTOR CABLE (3CSO), FIVE-CONDUCTOR CABLE (5CSO), AND TWELVE-CONDUCTOR CABLE (12CSO) SHALL BE INSTALLED IN LIEU OF INDIVIDUAL CONDUCTORS AND SHALL CONFORM TO SECTION 86-2.08(f) OF THE CALTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF LOCAL STREETS AND ROADS (LATEST EDITION), UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS. NO OTHER TRAFFIC SIGNAL (TS) MULTI CONDUCTOR CABLE WILL BE ACCEPTED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
15. NEW VEHICLE HEADS SHALL BE 12" L.E.D. (LIGHT EMITTING DIODE), VEHICLE HEADS PER LOS ANGELES COUNTY DPW SPECIFICATIONS. (SEE SPECIAL PROVISIONS).
16. NEW PEDIESTRIAN HEADS SHALL BE COUNTDOWN L.E.D (LIGHT EMITTING DIODE). (SEE SPECIAL PROVISIONS).
17. ALL NEW PEDIESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT.
18. POLE LOCATIONS SHOWN HEREON ARE APPROXIMATE. PRECISE LOCATIONS SHALL BE ESTABLISHED IN THE FIELD AND VERIFIED BY THE PROJECT ENGINEER.
19. ALL NEW SIGNAL POLES WITH PEDIESTRIAN PUSH BUTTONS SHALL BE INSTALLED NO FURTHER THAN 5 FEET FROM THE BACK OF CROSSWALK UNLESS OTHERWISE NOTED.
20. THE CONTRACTOR SHALL MAINTAIN PROPER ADA CLEARANCES AROUND ALL NEW POLES, CABINETS OR ANY OTHER ABOVE-GROUND EQUIPMENT AND SHALL BE INSTALLED AS PART OF THIS PROJECT. ALL NEW POLES, CABINETS AND PULL BOXES SHALL BE INSTALLED OUTSIDE OF CURB ACCESS RAMPS.
21. THE 3-INCH CONDUIT FROM THE EDSON PULL BOX TO THE SERVICE CABINET SHALL BE INSTALLED PER SEE COMPANY REQUIREMENTS. FOR ELECTRICAL SERVICE CONNECTION, CALL SOUTHERN CALIFORNIA EDSON COMPANY, MR. SCOTT WALKER AT (661) 287-8295. APPLICABLE SERVICE CONNECTION, RISER COSTS, AND CONSTRUCTION TAX SHALL BE PAID BY THE CONTRACTOR.
22. SERVICE POINT SHALL BE DESIGNATED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL INSTALL CONDUIT AND CONDUCTORS FROM THE SERVICE CABINET TO THE DESIGNATED SERVICE POINT. SEE SPECIAL PROVISIONS.
23. EXACT LOCATION OF ALL SHOWN UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY.
24. CONTACT LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, TRAFFIC AND LIGHTING DIVISION, TRAFFIC SYSTEMS SECTION AT (626) 300-4709 ONE MONTH IN ADVANCE OF SIGNAL CONSTRUCTION TO COORDINATE SIGNAL TIMING AND IMPLEMENTATION.
25. TWO-PAIR D.C. SHALL BE USED THROUGHOUT THE EXTENT OF THE INSTALLATION UNLESS OTHERWISE NOTED. SEE SPECIAL PROVISIONS.
26. VIDEO DETECTION SYSTEM AND CAMERA SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. MANUFACTURER'S REPRESENTATIVE SHALL BE PRESENT DURING INSTALLATION OF VIDEO DETECTION SYSTEM AND CAMERA. SEE SPECIAL PROVISIONS.
27. ALL PULL BOXES IN DIRT AREAS SHALL HAVE STEEL COVERS.

### REVISIONS

NO.	DATE	BY	CAD FILE NAME	PROJECT

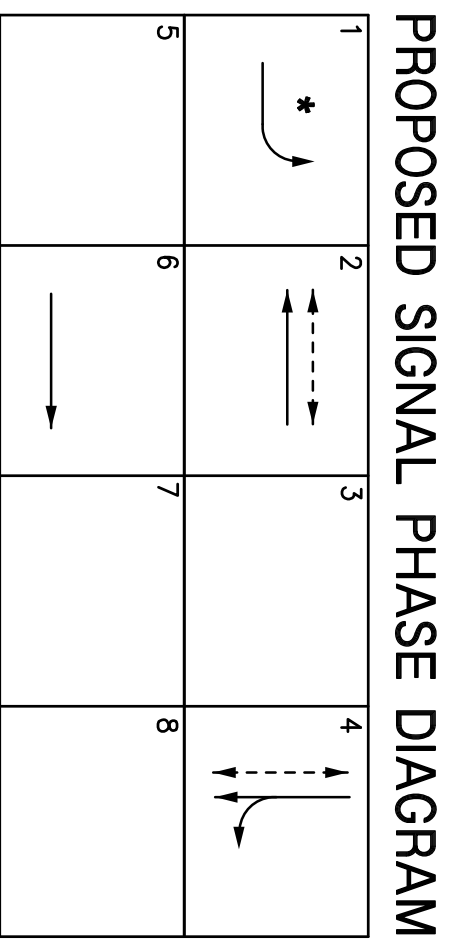


Know what's below.  
 Call before you dig.

		<b>ADANTEC Consulting Engineers</b> 21700 Cogley Drive, Suite 350 Diamond Bar, CA 91765 Tel: (909) 860-6222 Fax: (909) 860-6722 www.adantec-usa.com	PREPARED BY: _____ REVIEWED: _____ RECOMMENDED: _____ APPROVED: _____ BY: ASSISTANT DEPUTY DIRECTOR	COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS TRAFFIC AND LIGHTING DIVISION <b>TRAFFIC SIGNAL INTERIM PLAN          MAGIC MOUNTAIN PARKWAY          AT "A" STREET</b>
DATE: 02/27/2015				TR 61105   SHEET 1 OF 1   SCALE: 1"=20'   T.S. XXXX

**100% COUNTY OF LOS ANGELES**

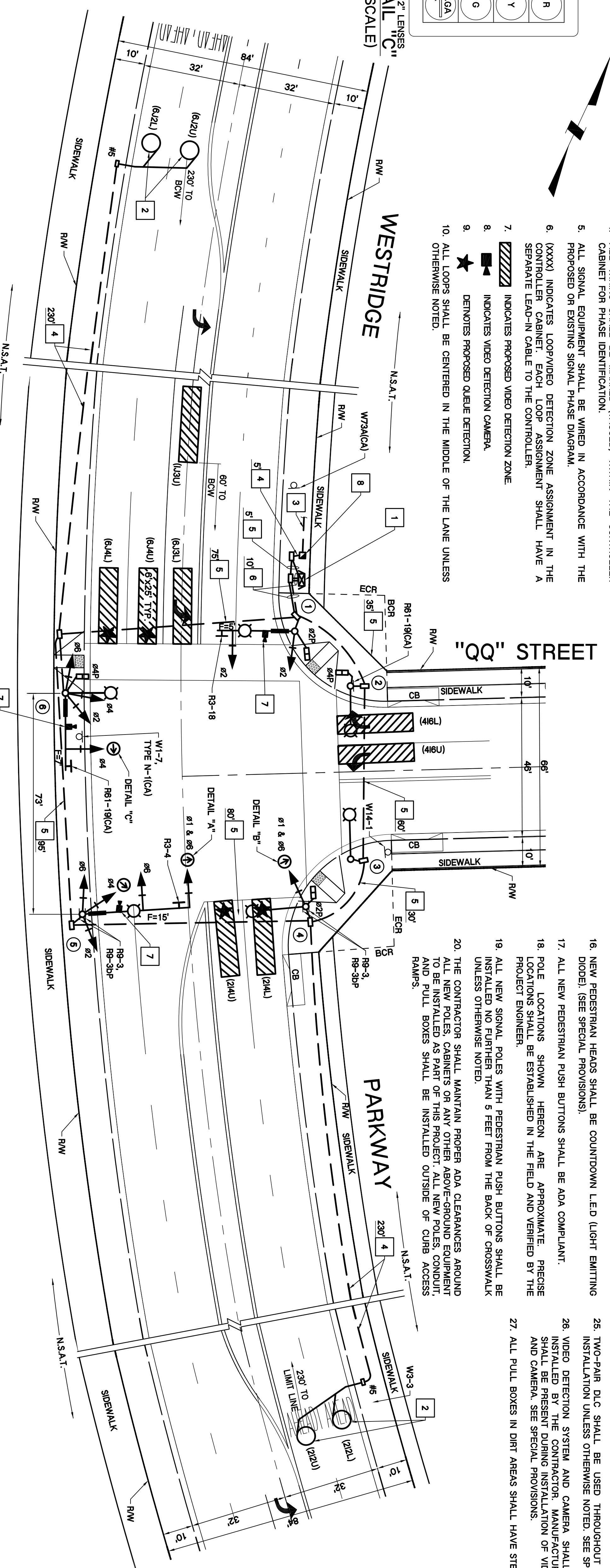
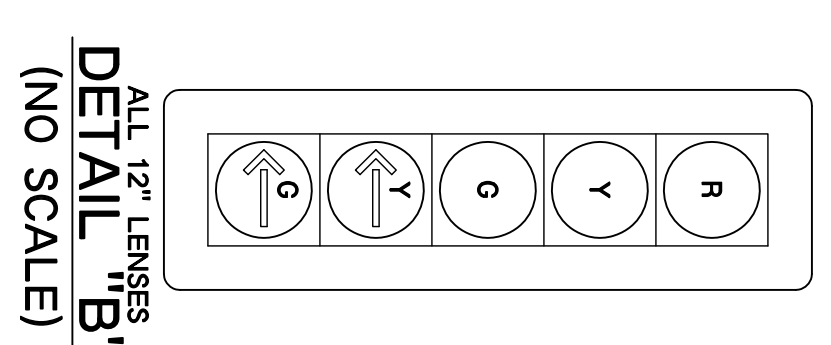
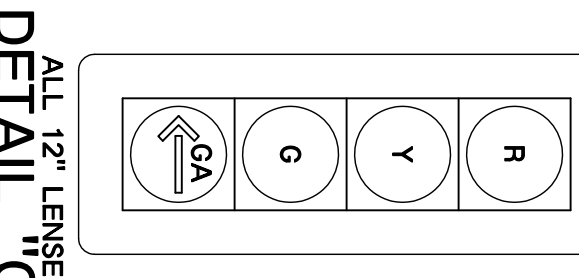
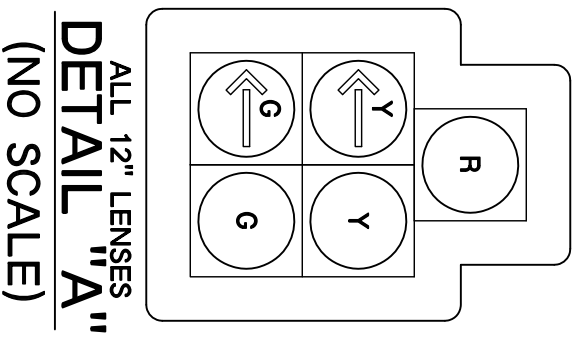
T.G. 4549-H2



OPERATION: VEHICLE RECALL.  
 #2 & #6 ON LOCK AND TIME DELAY FOR RIGHT TURNS.  
 #4 PROTECTED/PERMISSIVE LT.

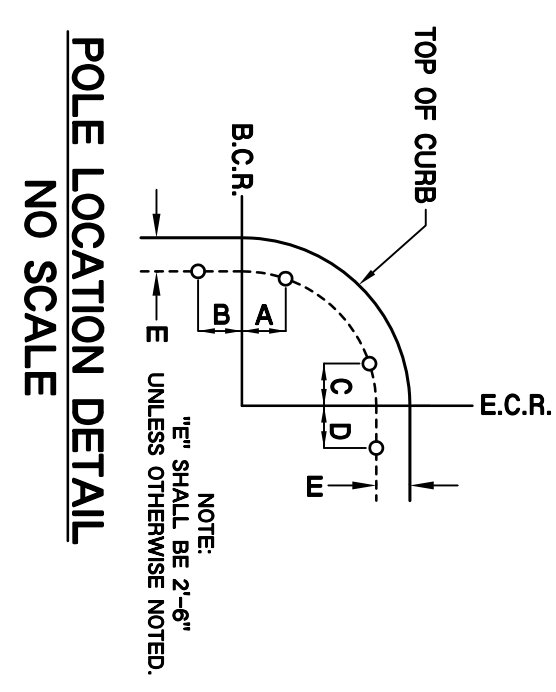
**GENERAL NOTES:**

- TRAFFIC SIGNAL LIGHTING AND ELECTRICAL SYSTEMS SHALL CONFORM TO THE LOS ANGELES COUNTY STANDARDS WHICH INCLUDE THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 2012 EDITION, AND THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC SIGNAL EQUIPMENT SPECIFICATIONS, LATEST EDITION, UNLESS OTHERWISE NOTED ON THE PLAN OR IN THE SPECIAL PROVISIONS.
- ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- THE GPS UNIVERSAL TIME BASE UNIT AND ANTENNA SHALL BE MOUNTED PER MANUFACTURER'S GUIDELINES. THE GPS UNIVERSAL TIME BASE UNIT ANTENNA SHALL BE LOCATED ON THE STREET SIDE OF THE TOP OF THE CONTROLLER CABINET.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET FOR PHASE IDENTIFICATION.
- ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE PROPOSED OR EXISTING SIGNAL PHASE DIAGRAM.
- (XXXX) INDICATES LOOP/VIDEO DETECTION ZONE ASSIGNMENT IN THE CONTROLLER CABINET. EACH LOOP ASSIGNMENT SHALL HAVE A SEPARATE LEAD-IN CABLE TO THE CONTROLLER.
- INDICATES PROPOSED VIDEO DETECTION ZONE.
- INDICATES VIDEO DETECTION CAMERA.
- INDICATES PROPOSED QUEUE DETECTION.
- ALL LOOPS SHALL BE CENTERED IN THE MIDDLE OF THE LANE UNLESS OTHERWISE NOTED.



POLE SCHEDULE										
NO.	TYPE	SPEC YEAR	SIGNAL M.A. LENGTH	MOUNTING	POLE	PED	LUMINAIRE	* PED PUSH BUTTON	STREET NAME SIGN	LOCATION
1	19-4-100	2010	25'	MAS	SV-1-T	SP-1-T	250W	1	64	R.R.
2	15TS	2010	-	-	SV-1-T	SP-1-T	200W	1	62	-
3	15TS	2010	-	-	SV-1-T	SP-1-T	200W	1	62	-
4	15TS	2010	-	-	SV-1-T	SP-1-T	250W	-	14'	-
5	24-4-100	2010	35'	2-MAS	SV-2-TA	SP-1-T	250W	-	R.R.	SEE PLAN
6	19-4-100	2010	25'	MAS	SV-1-T	SP-1-T	250W	1	64	R.R.

ALL EQUIPMENT IS NEW.  
 R.R. - RETRO REFLECTIVE STREET NAME SIGN.  
 ■ ROTATE LUMINAIRE MAST ARM 90° (COUNTER CLOCKWISE).  
 \* INSTALL HIGHWAY SAFETY LIGHT WITH LED. EQUIVALENTS FOR HPS PER SPECIAL PROVISIONS.  
 ▲ MOUNT VEHICLE HEAD AT 17' HIGH.  
 ALL SIGNAL MOUNTINGS SHALL BE PER STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.  
 ALL NEW SIGNAL POLES AND MAST ARMS SHALL BE PER CALTRANS STANDARD PLANS, 2010 EDITION.



**CONSTRUCTION NOTES**

- FURNISH AND INSTALL NEW TYPE 332 CABINET ON NEW FOUNDATION. COMPLETE WITH TYPE 170 ATCH-11 CONTROLLER, LACO-4E PROGRAM, (2) PED ISOLATION MODULES, (2) 2-CHANNEL ILD SENSOR UNITS, (6) SWITCH PACKS, GPS UNIVERSAL TIME BASE UNIT AND ANTENNA, (3) TERIS VANTAGE EDGE 2 PROCESSORS AND TENS EDGE CONNECT OR APPROVED EQUAL, 17' MAST MOUNTED LOG MONITOR DRAWER, AND ALL OTHER EQUIPMENT NECESSARY FOR THE INTENDED OPERATION AS SHOWN ON THE PLAN. SEE SPECIAL PROVISION.
- INSTALL 3" PVC CONDUIT PER SCE SPECIFICATION. SEE GENERAL NOTE 22.
- INSTALL 2" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL 3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL 2-3" PVC CONDUIT. LENGTH IS AS SHOWN ON PLAN.
- INSTALL SIGNAL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM OR SIGNAL MAST ARM WITH PIPE EXTENSION PER MANUFACTURER'S SPECIFICATIONS. SEE SPECIAL PROVISIONS.
- INSTALL NEW TYPE II-BF ANODIZED ALUMINUM UNDERGROUND SERVICE COMPLETE WITH FOUNDATION AND BATTERY BACKUP SYSTEM PER COUNTY OF LOS ANGELES DPW SPECIFICATIONS (SEE SPECIAL PROVISIONS).

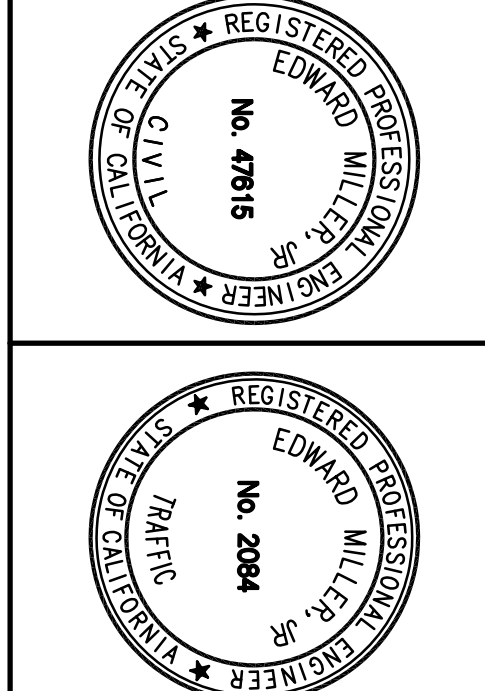
- ALL LOOPS SHALL BE ROUND (6" DIAMETER), UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE NO. 6 UNLESS SHOWN OTHERWISE.
- ALL NEW UNDERGROUND CONDUIT SHALL BE SCHEDULE 80 PVC, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- THREE-CONDUCTOR CABLE (3CS), FIVE-CONDUCTOR CABLE (5CS), AND INDUCTION CABLE (IC) SHALL BE INSTALLED IN 2-80 OF THE CALTRANS STANDARD SPECIFICATIONS, FOR CONSTRUCTION OF LOCAL STREETS AND ROADS (LATEST EDITION). UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS, NO OTHER TRAFFIC SIGNAL (TS) MULTI-CONDUCTOR CABLE WILL BE ACCEPTED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- NEW VEHICLE HEADS SHALL BE 12" LED. (LIGHT EMITTING DIODE). VEHICLE HEADS PER LOS ANGELES COUNTY DPW SPECIFICATIONS. (SEE SPECIAL PROVISIONS).
- NEW PEDESTRIAN HEADS SHALL BE COUNTDOWN LED (LIGHT EMITTING DIODE). (SEE SPECIAL PROVISIONS).
- ALL NEW PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT.
- POLE LOCATIONS SHOWN HEREON ARE APPROXIMATE. PRECISE LOCATIONS SHALL BE ESTABLISHED IN THE FIELD AND VERIFIED BY THE PROJECT ENGINEER.
- ALL NEW SIGNAL POLES WITH PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED NO FURTHER THAN 5 FEET FROM THE BACK OF CROSSWALK UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MAINTAIN PROPER ADA CLEARANCES AROUND ALL NEW POLES, CABINETS OR ANY OTHER ABOVE-GROUND EQUIPMENT TO BE INSTALLED AS PART OF THIS PROJECT. ALL NEW POLES, CONDUIT, AND PULL BOXES SHALL BE INSTALLED OUTSIDE OF CURB ACCESS PAVEMENTS.
- ALL PEDESTRIAN HEADS SHALL BE INSTALLED OUTSIDE OF CROSSWALK UNLESS OTHERWISE NOTED.
- CONTACT LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, TRAFFIC AND LIGHTING DIVISION, TRAFFIC SYSTEMS SECTION AT (626) 300-4709 ONE MONTH IN ADVANCE OF SIGNAL CONSTRUCTION TO COORDINATE SIGNAL TIMING AND IMPLEMENTATION.
- TWO-PART D/C SHALL BE USED THROUGHOUT THE EXTENT OF THE INSTALLATION UNLESS OTHERWISE NOTED. SEE SPECIAL PROVISIONS.
- VIDEO DETECTION SYSTEM AND CAMERA SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. MANUFACTURER'S REPRESENTATIVE SHALL BE PRESENT DURING INSTALLATION OF VIDEO DETECTION SYSTEM AND CAMERA. SEE SPECIAL PROVISIONS.
- ALL PULL BOXES IN DIRT AREAS SHALL HAVE STEEL COVERS.

100% COUNTY OF LOS ANGELES

COUNTY OF LOS ANGELES  
 DEPARTMENT OF PUBLIC WORKS  
 TRAFFIC AND LIGHTING DIVISION

REVIEWED: COUNTY OF LOS ANGELES  
 BY: DATE  
 RECOMMENDED: COUNTY OF LOS ANGELES  
 BY: DATE  
 APPROVED: GAIL FABER, DIRECTOR OF PUBLIC WORKS  
 BY: DATE  
 ASSISTANT DEPUTY DIRECTOR

PREPARED BY:  
**ADIANTRC Consulting Engineers**  
 Traffic & Communications & Civil & Electrical  
 21700 Cogley Drive, Tel: (909) 860-6222  
 Suite 350, Fax: (909) 860-6722  
 Diamond Bar, CA 91765 www.adiantrc-usa.com



TRAFFIC SIGNAL PLAN  
 WESTRIDGE PARKWAY  
 AT "QQ" STREET

T.G. 4549-H3

THIS PLAN EXPIRES TWO YEARS AFTER APPROVAL DATE

