

EQUIPMENT SCHEDULE

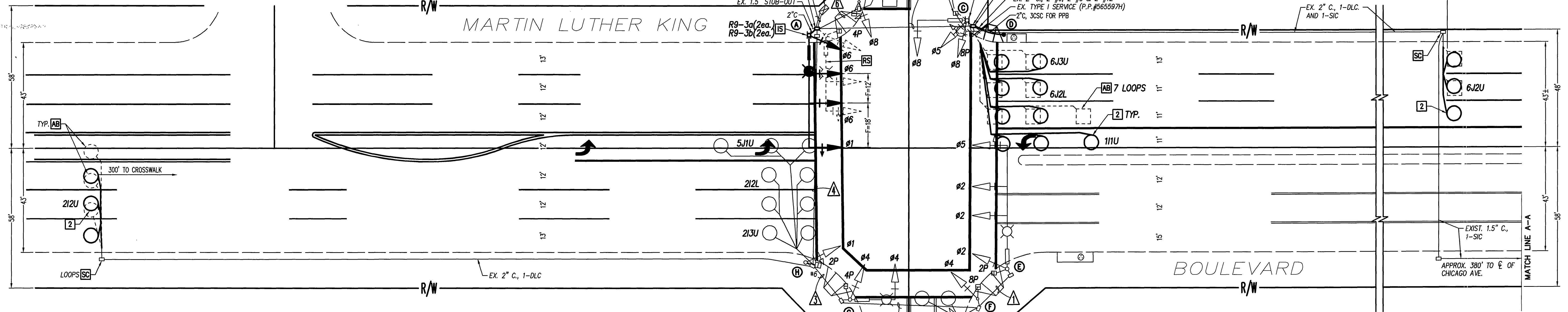
NO.	SIGNAL STANDARD		LUMINAIRE		I.I.S.N.S.		SIGNAL MOUNTINGS			PPB PHASE	
	TYPE	H'GHT	M.A.	L.A.	H.P.S.V.	LEGEND	VEHICLE	PEDESTRIAN	AUDIBLE		
(A)	26-4-100(N)	30'	45'(N)	12'(N)	250W	OTTAWA(N)	AV 4200	3-MAS(N)	SV-1-T(N)		4(N)
(B)	1A	10'	-	-	-	-	-	SP-1-T	TP-1-T	((P))	6(R)
(C)	16-2-80	30'	20'	-	-	M.L.K.	BLVD 1800	MAS	SV-2-TB	SP-1-T	8(R)
(D)	PPB POST(N)	40'(N)	-	-	-	-	-	-	-	-	6(R) 8(N)
(E)	29-5-129	30'	50'	12'	250W	OTTAWA	AV 4200	3-MAS	SV-1-T	SP-1-T	8
(F)	1A	10'	-	-	-	-	-	TV-1-T	SP-1-T	((P))	2
(G)	17-2-80	30'	20'	12'	250W	M.L.K.	BLVD 1900	MAS	SV-1-T	SP-1-T	2
(H)	1A	10'	-	-	-	-	-	TV-1-T	SP-1-T	((C))	4

- NOTES:
- ALL VEHICULAR HEADS SHALL HAVE 12" L.E.D. LENSES.
  - ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
  - ((C)) OR ((P)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED. ((C)) INDICATES CUCKOO SOUND; ((P)) INDICATES PEEP-PEEP SOUND.
  - PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.
  - ALL EQUIPMENT EXISTING UNLESS NOTED (N) = NEW EQUIPMENT TO BE INSTALLED

CONDUCTOR TABLE

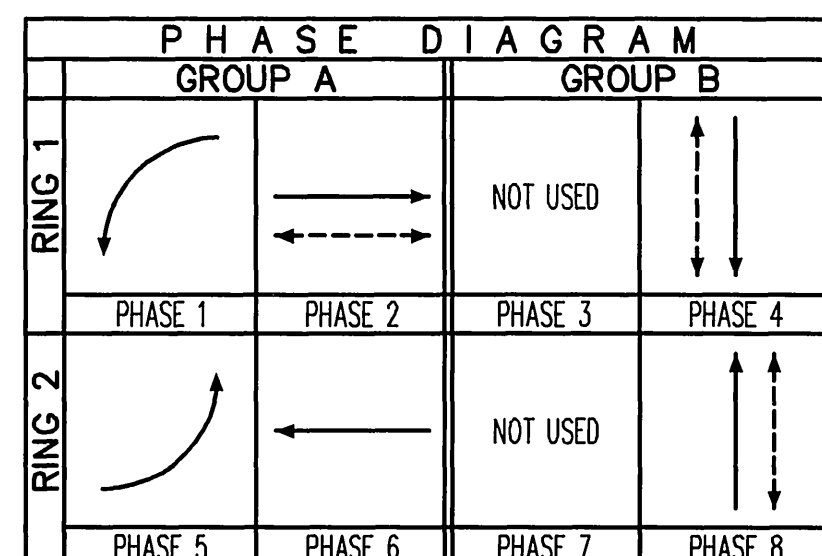
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS						
		1	2	3	4	5	6	7
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA	1	2	3	4	1	2	7
	3 WIRE IMSA	1	2	3	4	1	-	6
DETECTOR CABLE #16/2						1		1
PHASE 1								
PHASE 2					3			3
PHASE 3								
PHASE 4							1	1
PHASE 5					1			
PHASE 6					2			2
PHASE 7								
PHASE 8			2	2	2	2		2
I.I.S.N.S.	#12	2	2	2	2	2		
LUMINAIRES	#8	2	2	2	2	2		
SIGNAL SERVICE	#6					3		3
INTERCONNECT	#19					1		1
CONDUIT SIZE		2"	2"	2"	3"	2.5"	2"	2-3"

- NOTE:
- SIGNAL SYSTEM SHALL HAVE NEW 3-CSC & 12-CSC CABLES.
  - SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON I.M.S.A. CABLE.
  - PROTECT IN PLACE INTERCONNECT CABLE 6 PAIR #19 GAUGE.
  - INSTALL 1 NEW DLC FOR DETECTOR LOOPS (6J3U).



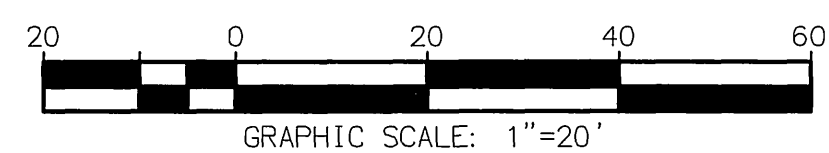
GENERAL NOTES:

- ALL MATERIAL AND WORK SHALL CONFORM TO THE CURRENT CITY STANDARD PLANS AND THE STANDARD PLANS AND SPECIFICATIONS OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAY 2006 EDITION OF THE CALTRANS STANDARD SPECIFICATIONS, SECTION 86.
- LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE. HAND DIG FOUNDATION UNTIL CLEAR OF OBSTRUCTIONS. PHONE UNDERGROUND SERVICE ALERT AT (800) 422-4133. POT HOLING REQUIRED FOR UTILITIES SHOWN OR NOT SHOWN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND COST FOR SAME SHALL BE INCLUDED IN THE CONTRACT BID PRICE.
- NEW CONDUCTORS SHALL BE SOLID COPPER WIRE.
- FINAL FIELD LOCATIONS OF THE EQUIPMENT SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER PRIOR TO INSTALLATION.
- PULL BOXES SHALL BE No. 5, EXCEPT AS SHOWN. PULL BOXES SHALL BE REINFORCED CONCRETE.
- DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS/HER REPRESENTATIVE.
- TYPICAL DETECTOR LOOP SPACING: 10' AND 15'.
- SEE SIGNING AND PAVEMENT DELINEATION PLAN XL-514. (STRIPING ON THIS PLAN IS FOR REFERENCE ONLY)



CONSTRUCTION NOTES:

- EXISTING 170 CONTROLLER IN TYPE "M" CABINET. INSTALL 1-DLC APPROX. 80' IN EXISTING CONDUIT FOR 6J3U LOOPS. INSTALL ADDITIONAL DETECTOR CHANNEL IF REQUIRED.
- INSTALL TYPE "E" 6" DIAMETER DETECTOR LOOPS.
- REMOVE AND SALVAGE POLE AND/OR TRAFFIC SIGNAL EQUIPMENT TO CITY YARD. REMOVE FOUNDATION COMPLETELY.
- SPLICE NEW TO EXISTING CONDUCTORS
- ABANDON EXISTING EQUIPMENT
- INSTALL POLE MOUNTED SIGN



**IMPORTANT NOTICE**  
 Section 4310/4317 of the Government Code requires a Dig Alert Identification Number to be posted before a "Permit to Construct" will be valid. For your Dig Alert ID, Number call CALL TOLL FREE TWO WORKING DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

**ENGINEER IN RESPONSIBLE CHARGE**  
 GILBERT M. HERNANDEZ  
 R.C.E. No. 69170 expires 6-30-08  
 DATE 2-13-08

**REGISTERED PROFESSIONAL ENGINEER**  
 GILBERT M. HERNANDEZ  
 No. 69170 Exp. 06-30-08  
 STATE OF CALIFORNIA

MARK REVISIONS APPR. DATE  
 DESIGNED BY DMC DRAWN BY DMC CHECKED BY

**CITY OF RIVERSIDE, CALIFORNIA**  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY: [Signature] DATE: 2/16/08  
 TRAFFIC DIVISION  
 Eng. Mgr. [Signature] DATE: 2/16/08  
 Const. Cont. Admin. [Signature] DATE: 2/16/08

**TRAFFIC SIGNAL MODIFICATION**  
 MARTIN LUTHER KING  
 AT  
 OTTAWA  
 SCALE: 1" = 20'

ACCT. NO. X-468B  
 SHEET 1 OF 1  
 FILE NAME: X468B.DWG

EQUIPMENT SCHEDULE

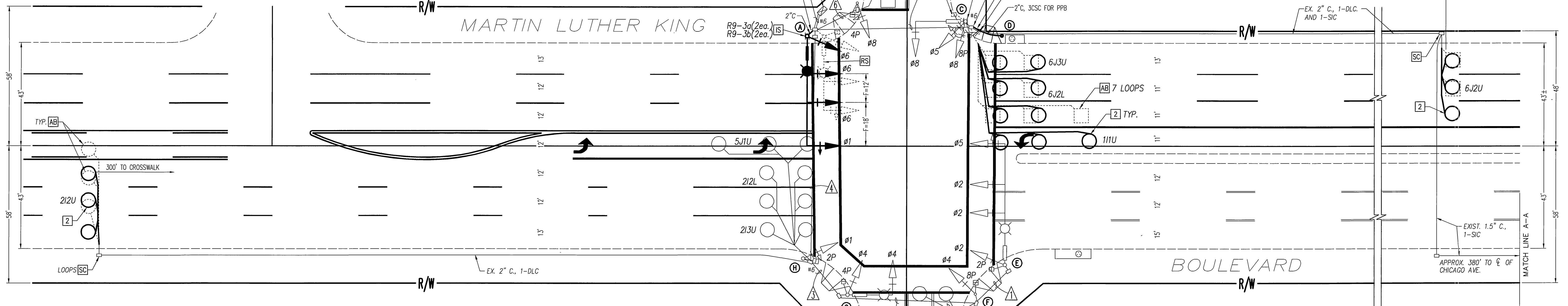
NO.	SIGNAL STANDARD		LUMINAIRE		I.I.S.N.S.		SIGNAL MOUNTINGS			PPB PHASE	
	TYPE	H'GHT	M.A.	L.A.	H.P.S.V.	LEGEND	VEHICLE	PEDESTRIAN	AUDIBLE		
(A)	26-4-100(N)	30'	45'(N)	12'(N)	250W	OTTAWA(N)	AV 4400	3-MAS(N)	SV-1-T(N)		4(N)
(B)	1A	10'	-	-	-	-	-	SP-1-T	TP-1-T	((IP1))	6(R)
(C)	16-2-80	30'	20'	-	-	M.L.K.	BLVD 1800	MAS	SV-2-TB	SP-1-T	((IP1))
(D)	PPB POST(N)	40'(N)	-	-	-	-	-	-	-	-	8(R) 6(R) 8(N)
(E)	29-5-129	30'	50'	12'	250W	OTTAWA	AV 4500	3-MAS	SV-1-T	SP-1-T	((IC1))
(F)	1A	10'	-	-	-	-	-	TV-1-T	SP-1-T	((IP1))	2
(G)	17-2-80	30'	20'	12'	250W	M.L.K.	BLVD 1900	MAS	SV-1-T	SP-1-T	((IC1))
(H)	1A	10'	-	-	-	-	-	TV-1-T	SP-1-T	((IC1))	4

- NOTES:
- ALL VEHICULAR HEADS SHALL HAVE 12" L.E.D. LENSES.
  - ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
  - ((IC1)) OR ((IP1)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED, ((IC1)) INDICATES CUCKOO SOUND; ((IP1)) INDICATES PEEP-PEEP SOUND.
  - PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.
  - (N) = NEW EQUIPMENT TO BE INSTALLED UNLESS OTHERWISE NOTED.

CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS						
		1	2	3	4	5	6	7
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA	1	2	3	4	1	2	7
	3 WIRE IMSA	1	2	3	4	1	-	6
DETECTOR CABLE #16/2						1		1
PHASE 1								
PHASE 2					3			3
PHASE 3								
PHASE 4							1	1
PHASE 5					1			1
PHASE 6						3		3
PHASE 7								
PHASE 8				2	2	2	2	2
I.I.S.N.S. #12		2	2	2	2	2		
LUMINAIRES #8		2	2	2	2	2		
SIGNAL SERVICE #6						3		3
INTERCONNECT #19						1		1
CONDUIT SIZE		2"	2"	2"	3"	2.5"	2"	2-3"

- NOTE:
- SIGNAL SYSTEM SHALL HAVE NEW CABLES AND CONDUCTORS.
  - SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION ON I.M.S.A. CABLE.
  - INTERCONNECT CABLE SHALL BE 6 PAIR #19 GAUGE (SEE SPECIAL PROVISIONS).
  - NO. 5 CONDUCTOR CABLE INSTALLED FOR FUTURE.

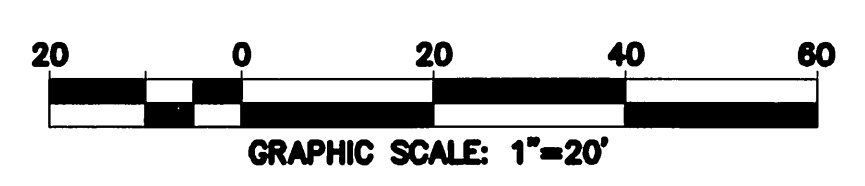
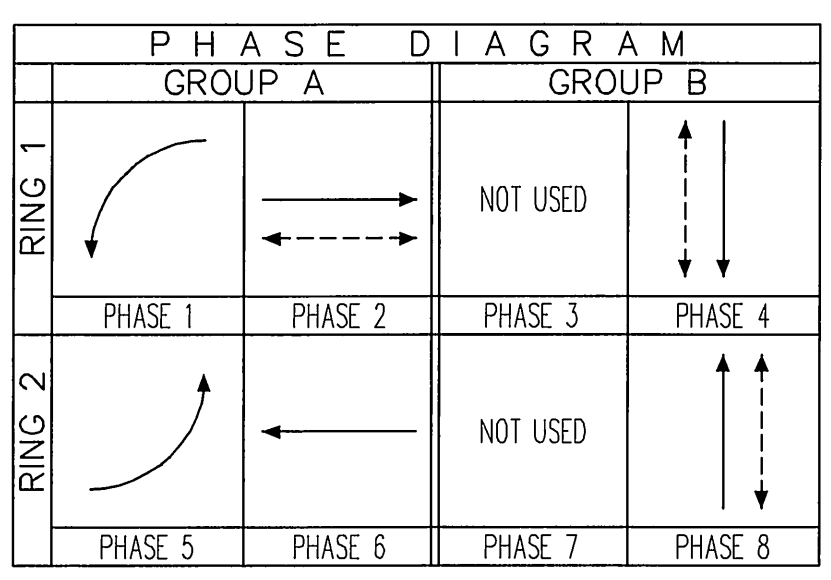


GENERAL NOTES:

- ALL MATERIAL AND WORK SHALL CONFORM TO THE CURRENT CITY STANDARD PLANS AND THE STANDARD PLANS AND SPECIFICATIONS OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAY 2006 EDITION OF THE CALTRANS STANDARD SPECIFICATIONS, SECTION 86.
- LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE. HAND DIG FOUNDATION UNTIL CLEAR OF OBSTRUCTIONS. PHONE UNDERGROUND SERVICE ALERT AT (800) 422-4133. POT HOLDING REQUIRED FOR UTILITIES SHOWN OR NOT SHOWN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND COST FOR SAME SHALL BE INCLUDED IN THE CONTRACT BID PRICE.
- NEW CONDUCTORS SHALL BE SOLID COPPER WIRE.
- FINAL FIELD LOCATIONS OF THE EQUIPMENT SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER PRIOR TO INSTALLATION.
- PULL BOXES SHALL BE NO. 5, EXCEPT AS SHOWN. PULL BOXES SHALL BE REINFORCED CONCRETE.
- DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS/HER REPRESENTATIVE.
- TYPICAL DETECTOR LOOP SPACING: 10' AND 15'.
- SIGNAL INTERCONNECT CABLE (SIC) SHALL BE 6 PAIR #19 PER THE SPECIAL PROVISIONS.
- SIGNAL INTERCONNECT CABLE SHALL BE CONTINUOUS AND UNSPLICED BETWEEN CONTROLLER CABINETS.
- CONTRACTOR SHALL PROVIDE NECESSARY SIGNAL FRAMEWORKS AND STREET NAME SIGN MOUNTING HARDWARE FOR RELOCATED EQUIPMENT.
- SEE SIGNING AND PAVEMENT DELINEATION PLAN XL-514. (STRIPING ON THIS PLAN IS FOR REFERENCE ONLY)

CONSTRUCTION NOTES:

- EXISTING 170 CONTROLLER IN TYPE "M" CABINET. INSTALL 1-DLC APPROX. 80' IN EXISTING CONDUIT FOR 6J3U LOOPS. INSTALL ADDITIONAL DETECTOR CHANNEL IF REQUIRED.
- INSTALL TYPE "E" 6" DIAMETER DETECTOR LOOPS.
- REMOVE AND SALVAGE POLE AND/OR TRAFFIC SIGNAL EQUIPMENT TO CITY YARD. REMOVE FOUNDATION COMPLETELY.
- SPLICE NEW TO EXISTING CONDUCTORS
- ABANDON EXISTING EQUIPMENT
- INSTALL POLE MOUNTED SIGN
- CONTRACTOR SHALL PROVIDE AND INSTALL A CLARY CORP. SP SERIES 1250 PD-R/N PLUS UN-INTERRUPTED POWER SUPPLY (UPS) OR APPROVED EQUAL. THE UPS BATTERIES SHALL BE INSTALLED IN A CLARY CABINET, EXTERNALLY MOUNTED TO THE CONTROLLER CABINET.



**IMPORTANT NOTICE**  
 Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be placed before a permit to excavate will be issued. For your Dig Alert ID Number call CALL TOLL FREE TWO WORKING DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

ENGINEER IN RESPONSIBLE CHARGE  
 GILBERT M. HERNANDEZ  
 R.C.E. No. 69170 expires 6-30-09  
 DATE 10-20-06

REGISTERED PROFESSIONAL ENGINEER  
 GILBERT M. HERNANDEZ  
 No. 69170  
 Exp. 06-30-08  
 CIVIL  
 STATE OF CALIFORNIA

MARK REVISIONS APPR. DATE  
 DESIGNED BY DMC DRAWN BY DMC CHECKED BY

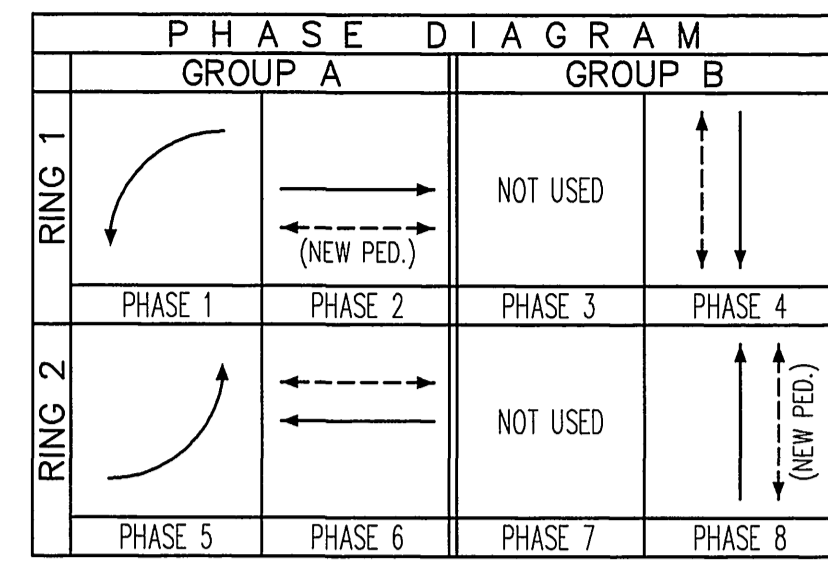
CITY OF RIVERSIDE, CALIFORNIA  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY DATE APPROVED BY DATE  
 PRINCIPAL ENGINEER TRAFFIC DIVISION CONST. ADMIN.  
 DATE 1/15/07

TRAFFIC SIGNAL MODIFICATION  
 MARTIN LUTHER KING AT OTTAWA  
 SCALE: 1" = 20'

ACCT. NO. X-468B  
 SHEET 1 OF 1  
 FILE NAME: X468B.DWG

AWG	CIRCUIT	CONDUCTOR SCHEDULE							
		Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
#1		-	-	3	-	-	-	3	
#2		(N)3	(N)3	(N)3	(N)3	-	-	(N)3	
#4			(N)3	3	3	-	-	3	
#5		(N)3	(N)3	(N)3	(N)3	3	-	3/(N)3	
#6		-	-	-	-	-	-	3	
#8		-	-	-	-	3	3	6	
#2P		(N)2	(N)2	(N)2	(N)2	-	-	(N)2	
#4P		-	-	2	2	-	-	2	
#6P		-	-	-	-	2	2	2	
#8P		-	-	(N)2	(N)2	(N)2	(N)2	(N)4	
#2 PPB		(N)1	(N)1	(N)1	(N)1	-	-	(N)1	
#4 PPB		-	-	-	-	1	-	1	
#6 PPB		-	-	-	-	1	1	2	
#8 PPB		(N)1	(N)1	(N)1	(N)1	(N)1	(N)1	(N)2	
PPB COMMON		(N)1	1	1	1	1	1	3	
SPARES		3	3	3	3	3	3	12	
TOTAL		14	19	21	28	16	10	57	
#12	I.I.S.N.S.	(N)2	(N)2	2	2	2	-	-	
#10	SIGNAL COMMON	(N)1	(N)1	1	2	1	1	4	
#8	LUMINAIRE	(N)2	(N)2	2	2	2	-	-	
#1		-	-	-	-	1	-	1	
#2		-	-	-	-	3	-	3	
#4		-	-	-	-	1	-	1	
#5		-	-	-	-	1	-	1	
#6		-	-	-	-	2	-	2	
#8		-	-	1/(N)1	1/(N)1	-	-	1/(N)1	
TOTAL		0	2	2	6	3	1	10	
#6	SIGNAL SERVICE	-	-	-	-	2	-	2	
6	PAIR #19 SIC	-	-	-	-	(N)1	-	(N)1	
	CONDUIT SIZE	(N)2	(N)2	2"	3"	2.5"	2"	2-3"	
	PERCENT FILL	15%	22%	23%	17%	23%	9%	16%	

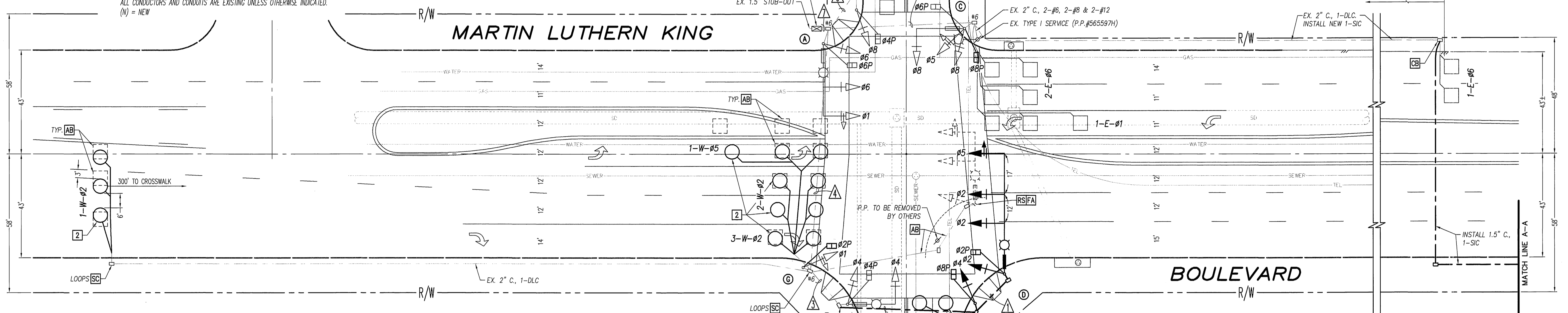
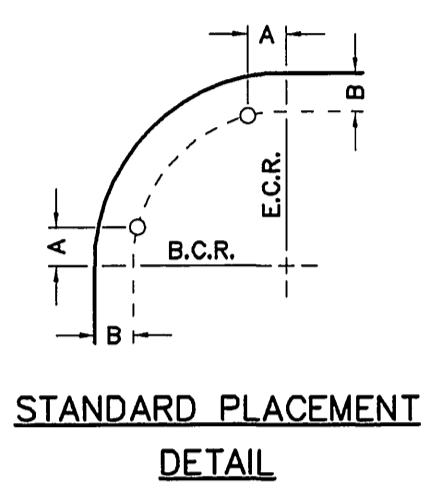
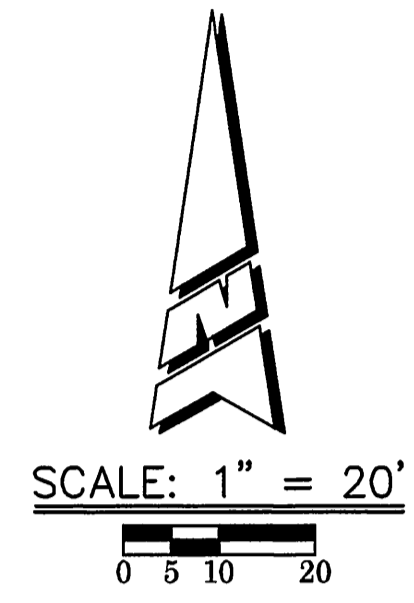
ALL CONDUCTORS AND CONDUITS ARE EXISTING UNLESS OTHERWISE INDICATED.  
(N) = NEW



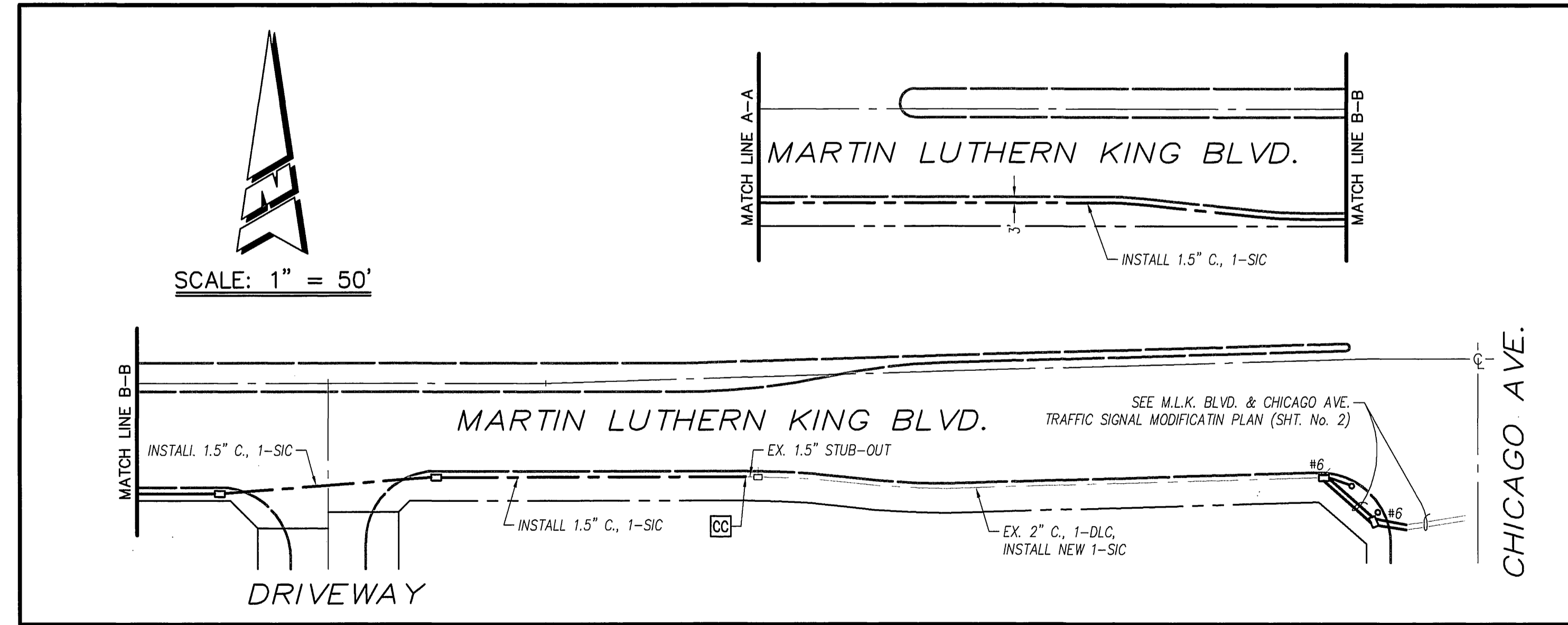
- CONSTRUCTION NOTES:**
- EXISTING NEMA CONTROLLER IN TYPE 'M' CABINET. INSTALL SIC INTO EXISTING CONTROLLER CABINET AND TERMINATE AS DIRECTED BY THE ENGINEER.
  - INSTALL TYPE 'E' 6" DIAMETER DETECTOR LOOPS.

L	POLE SCHEDULE										I.I.S.N.S.		PLACEMENT	
	STANDARD	ARMS	LUMINAIRE	PED	PUSH BT.	SIGNAL MOUNTING	VEHICLE	PED.	MESSAGE	A	B	A	B	
24-4-80	30' (9.1m)	30' (9.1m)	12' (3.7m)	250 W	B 4 E	MAS. SV-1-T	SP-1-T	OTTAWA						
1-A	10' (3.0m)	-	-	-	B 6 S	TV-1-T	SP-1-T						EXISTING	
16-2-80	30' (9.1m)	20' (6.1m)	-	-	B/(N)B 6/8 N/E	MAS. SV-2-TB	(N)SP-2-T	M.L.K.	16'	3.0'				
(N) 29-5-129	30' (9.1m)	(N)50' (15.2m)	(N)12' (3.7m)	(N) 250 W	(N)B 8 W	(R)MAS, (R)MAS, (R)SV-1-T	(N)SP-1-T	(R) OTTAWA	16'	3.0'				
(N) 1-A	10' (3.0m)	-	-	-	(N)B 2 N	(N)TV-1-T	(N)SP-1-T		16'	3.0'				
17-2-80	30' (9.1m)	18' (5.5m)	12' (3.7m)	250 W	B 2 N	MAS. SV-1-T	SP-1-T	M.L.K.					EXISTING	
1-A	10' (3.0m)	-	-	-	B 4 E	TV-1-T	(N)SP-1-T							

ALL EQUIPMENT IS EXISTING UNLESS OTHERWISE INDICATED.  
1-A STANDARDS SHALL BE ALUMINUM.  
(N) = NEW  
(R) = REUSE (SEE GENERAL NOTE No. 10)



- GENERAL NOTES:**
- ALL MATERIAL AND WORK SHALL CONFORM TO THE CURRENT CITY STANDARD PLANS AND THE STANDARD PLANS AND SPECIFICATIONS OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE JULY 2002 EDITION OF THE CALTRANS STANDARD SPECIFICATIONS, SECTION 86.
  - LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE. HAND DIG FOUNDATION UNTIL CLEAR OF OBSTRUCTIONS. PHONE UNDERGROUND SERVICE ALERT AT (800) 422-4133. POT HOLING REQUIRED FOR UTILITIES SHOWN OR NOT SHOWN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND COST FOR SAME SHALL BE INCLUDED IN THE CONTRACT BID PRICE.
  - NEW CONDUCTORS SHALL BE SOLID COPPER WIRE.
  - FINAL FIELD LOCATIONS OF THE EQUIPMENT SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER PRIOR TO INSTALLATION.
  - PULL BOXES SHALL BE No. 5, EXCEPT AS SHOWN. PULL BOXES SHALL BE REINFORCED CONCRETE.
  - DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS/HER REPRESENTATIVE.
  - TYPICAL DETECTOR LOOP SPACING: 10' AND 15'.
  - SIGNAL INTERCONNECT CABLE (SIC) SHALL BE 6 PAIR #19 PER THE SPECIAL PROVISIONS.
  - SIGNAL INTERCONNECT CABLE SHALL BE CONTINUOUS AND UNSPLICED BETWEEN CONTROLLER CABINETS.
  - CONTRACTOR SHALL PROVIDE NECESSARY SIGNAL FRAMEWORKS AND STREET NAME SIGN MOUNTING HARDWARE FOR RELOCATED EQUIPMENT.
  - SEE STREET IMPROVEMENT PLAN R-\_\_\_ FOR IMPROVEMENTS.
  - SEE SIGNING AND PAVEMENT DELINEATION PLAN XL-495. (STRIPING ON THIS PLAN IS FOR REFERENCE ONLY)



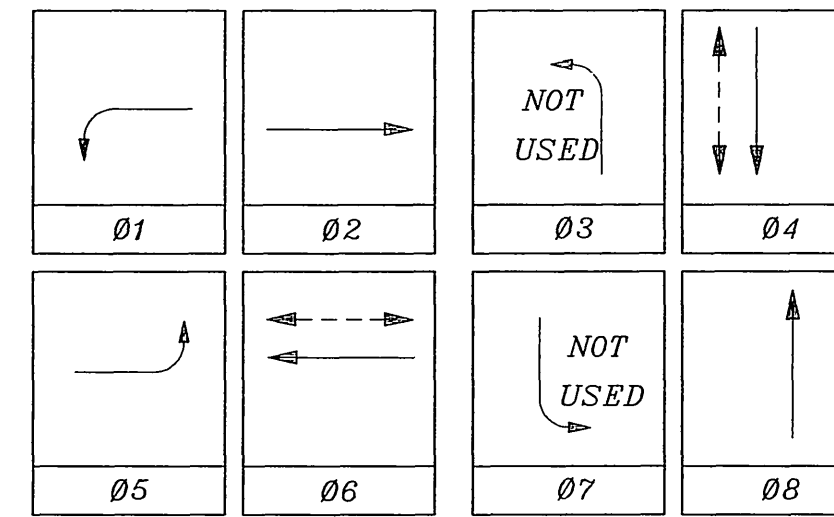
<b>DIG ALERT</b> DIAL TOLL FREE 1-800-422-4133 AT LEAST TWO DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA		PLANS PREPARED BY: <b>HARTZOG CRABILL, Inc.</b> 275 Centennial Way, Suite 208 Tustin, California 92780 714.731.9455 fax: 714.731.9498 www.hartzog-crabill.com	Consulting Traffic Engineers 275 Centennial Way, Suite 208 Tustin, California 92780 714.731.9455 fax: 714.731.9498 www.hartzog-crabill.com	<b>CITY OF RIVERSIDE</b> DEPARTMENT OF PUBLIC WORKS APPROVED BY: <i>[Signature]</i> PRINCIPAL ENGINEER DATE: 4/10/05 BY: <i>[Signature]</i> TRAFFIC DIVISION DATE: 3/31/05	<b>TRAFFIC SIGNAL MODIFICATION PLAN</b> Martin Luther King Boulevard and Ottawa Avenue SCALE: 1" = 20'	ACCOUNT No. <b>X-468A</b> Sheet 1 of 2
		DESIGNED BY: <i>D.J.M.</i> DRAWN BY: <i>D.J.M.</i> CHECKED BY: <i>T.G.H.</i>	DATE: 3/30/05	DATE: 4/10/05	DATE: 4/10/05	

### DETECTOR SCHEDULE

LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1-E-1	3	
1-W-5	3	
1-W-2	2	○ □
2-W-2	4	
3-W-2	4	FUTURE
1-E-6	2	○ □
2-E-6	4	
1-N-4	3	
1-S-8	3	
BLANK		

○ SAMPLING (future)  
 □ CALL-HOLD (extension)  
 1. Detectors shall be 2-channel rack-mounted.

### PHASE DIAGRAM



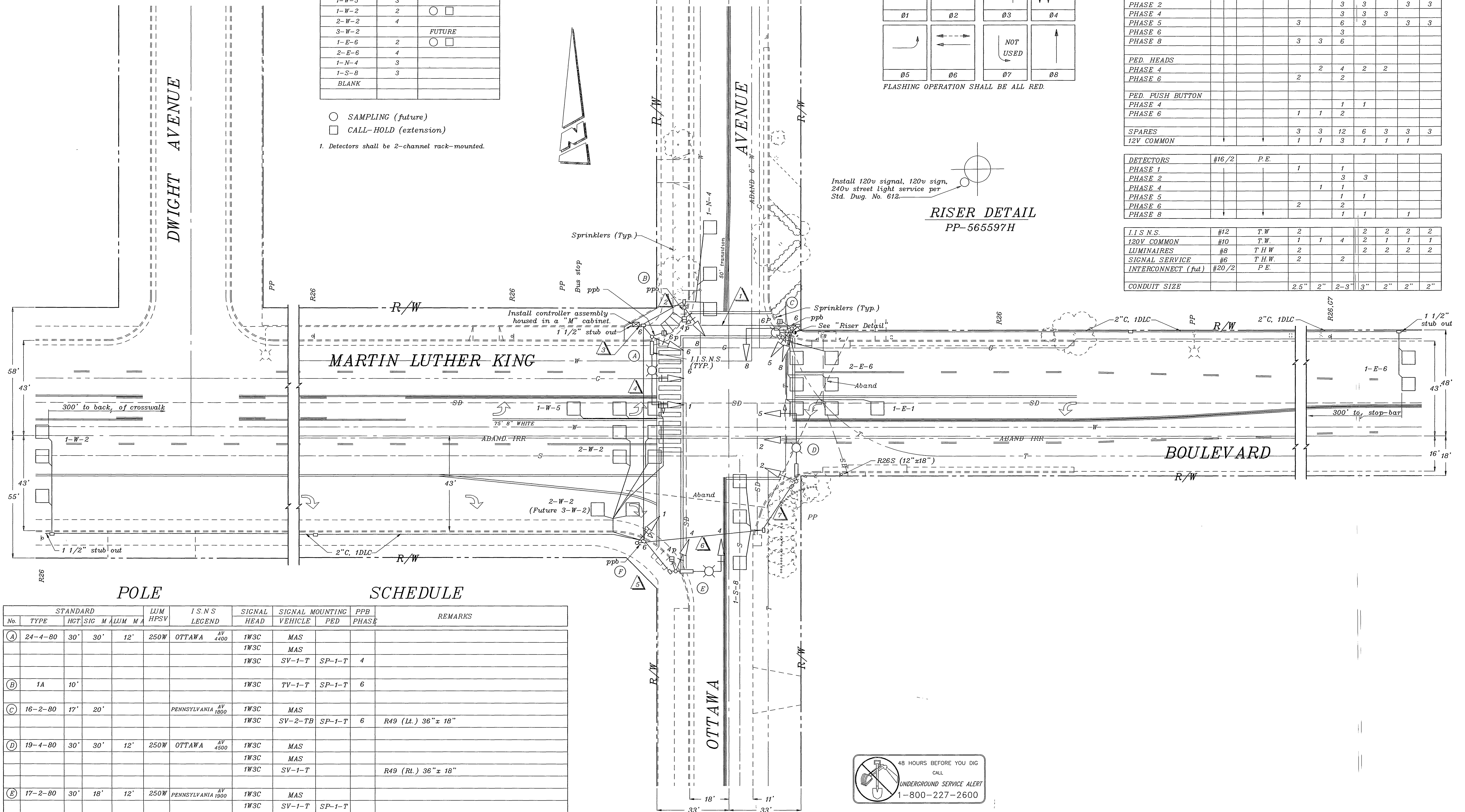
FLASHING OPERATION SHALL BE ALL RED.

### CONDUCTOR SCHEDULE

CONTROL FUNCTION	CONDUCTORS		RUNS						
	SIZE	INSULATION	1	2	3	4	5	6	7
VEHICLE HEADS	#14	TW	-	-	-	-	-	-	-
PHASE 1						3	3		
PHASE 2						3	3	3	3
PHASE 4						3	3	3	3
PHASE 5			3			6	3		3
PHASE 6						3			3
PHASE 8			3	3		6			
PED. HEADS									
PHASE 4				2		4		2	2
PHASE 6			2			2			
PED. PUSH BUTTON									
PHASE 4						1		1	
PHASE 6			1	1		2			
SPARES			3	3	12	6	3	3	3
12V COMMON			1	1	3	1	1	1	1
DETECTORS	#16/2	P.E.							
PHASE 1			1			1			
PHASE 2						3	3		
PHASE 4				1		1			
PHASE 5						1	1		
PHASE 6			2			2			
PHASE 8						1	1		1
L.I.S.N.S.	#12	T.W.	2			2	2	2	2
120V COMMON	#10	T.W.	1	1	4	2	1	1	1
LUMINAIRES	#8	T.H.W.	2			2	2	2	2
SIGNAL SERVICE	#6	T.H.W.	2			2			
INTERCONNECT (fut)	#20/2	P.E.							
CONDUIT SIZE			2.5"	2"	2-3"	3"	2"	2"	2"

### RISER DETAIL PP-565597H

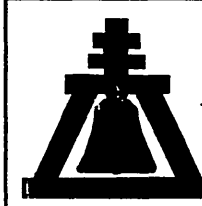
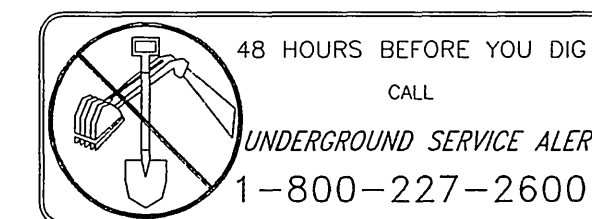
Install 120v signal, 120v sign, 240v street light service per Std. Dwg. No. 612.



### POLE SCHEDULE

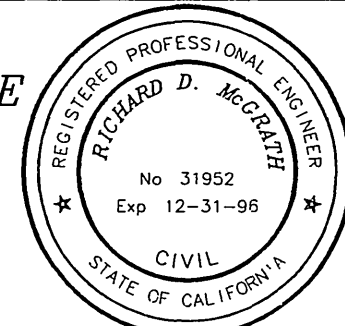
No.	TYPE	STANDARD			LUM HPSV	I.S.N.S. LEGEND	SIGNAL HEAD	SIGNAL MOUNTING		PPB PHASE	REMARKS
		HGT	SIG M	LUM M				VEHICLE	PED		
(A)	24-4-80	30'	30'	12'	250W	OTTAWA AV 4400	1W3C	MAS			
							1W3C	MAS			
							1W3C	SV-1-T	SP-1-T	4	
(B)	1A	10'					1W3C	TV-1-T	SP-1-T	6	
(C)	16-2-80	17'	20'			PENNSYLVANIA AV 1800	1W3C	MAS			
							1W3C	SV-2-TB	SP-1-T	6	R49 (Lt.) 36" x 18"
(D)	19-4-80	30'	30'	12'	250W	OTTAWA AV 4500	1W3C	MAS			
							1W3C	MAS			
							1W3C	SV-1-T			R49 (Rt.) 36" x 18"
(E)	17-2-80	30'	18'	12'	250W	PENNSYLVANIA 1900	1W3C	MAS			
							1W3C	SV-1-T	SP-1-T		
(F)	1A	10'					1W3C	TV-1-T		4	

NOTE: 1. All vehicular heads have 12" lenses.  
 2. Left-turn indications are all arrows.  
 3. 1A standards are aluminum.



ENGINEER IN RESPONSIBLE CHARGE

RICHARD D. McGRATH  
R.C.E. No. 31952 expires



CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
P.W. INSPECTION		
TRAFFIC DIVISION		
CHIEF P.W. ENGR.		
PUBLIC UTILITIES		

TRAFFIC SIGNAL  
**OTTAWA AVENUE @  
 MARTIN LUTHER  
 KING BOULEVARD**

ACCT. NO

X-468

SHEET 1 OF 1

SCALE: 1" = 20'

FILE NAME: X468.DWG