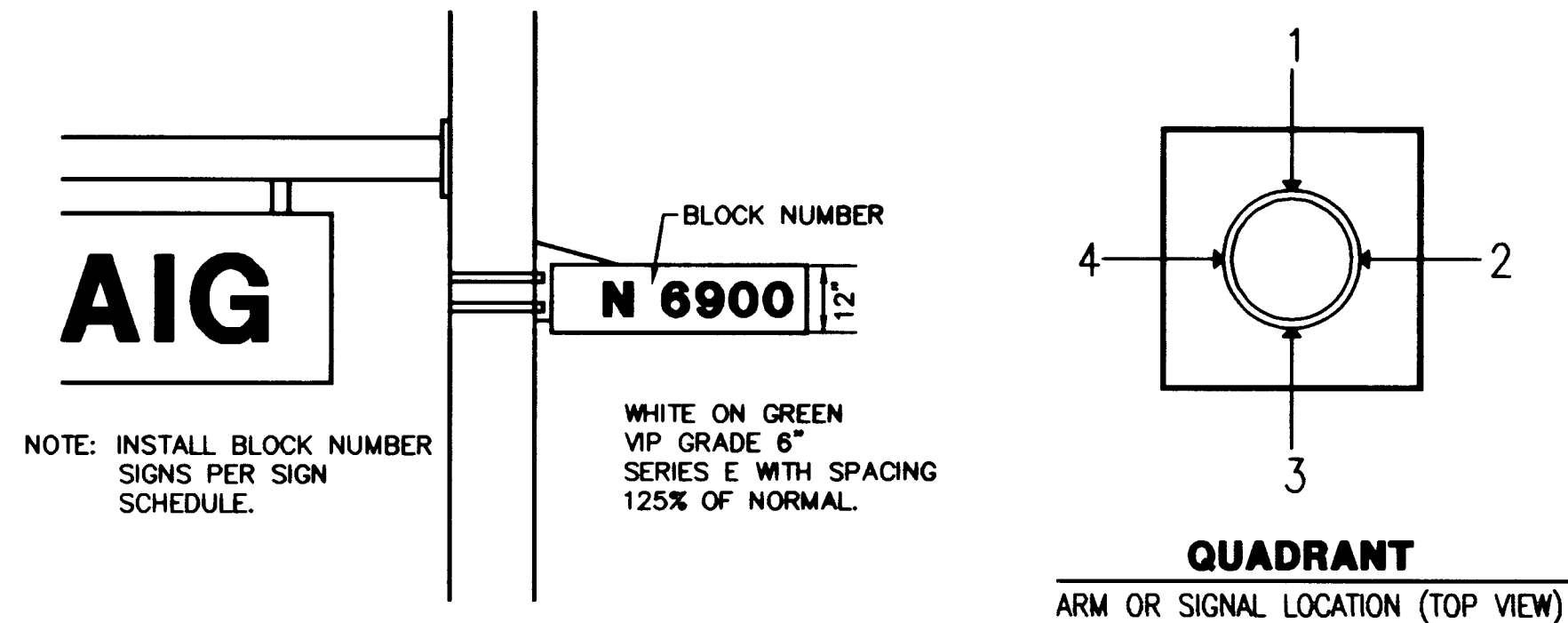
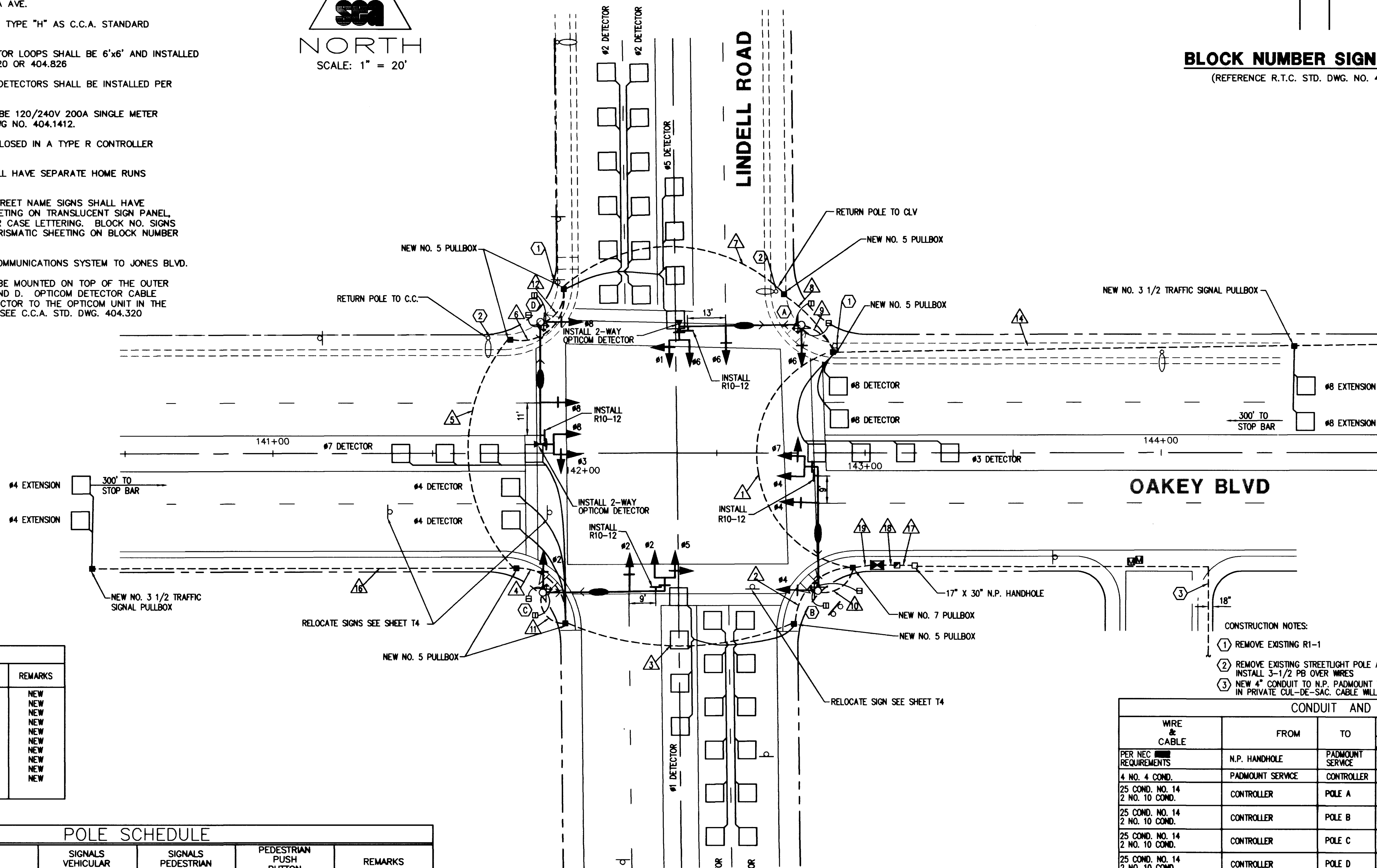


- GENERAL NOTES:
1. CHECK CONDUIT AND CABLE SCHEDULE FOR CONDUIT SIZE.
 2. THE ROUTING AND TERMINATION OF CONDUITS AND THE PLACING OF POLES SHALL BE AS INDICATED ON PLANS. ALL CHANGES SHALL BE APPROVED BY THE TRAFFIC ENGINEER.
 3. ALL SIGNAL POLES SHALL CONFORM TO C.C.A. STANDARD DWG. 404.406, SHTS. 1 THROUGH 6.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UNDERGROUND UTILITIES.
 5. LUMINAIRES SHALL BE 400 WATT HIGH PRESSURE SODIUM CUTOFF (G.E. M-400A) WITH MC-III DISTRIBUTION AND INDIVIDUAL P.E. CONTROL AND BUILT IN BALLAST.
 6. REMOVE EXISTING POLES AND LUMINAIRES, RETURN TO C.L.V. ELETRIC SHOP, AT 3100 E. BONANZA AVE.
 7. NEW POLE BASES SHALL BE TYPE "H" AS C.C.A. STANDARD DWG. 404.208.
 8. ALL EXTENSION AND DETECTOR LOOPS SHALL BE 6'x6' AND INSTALLED PER C.C.A. STD DWG 404.820 OR 404.826
 9. ALL LEFT TURN BAY LOOP DETECTORS SHALL BE INSTALLED PER C.C.A. STD. DWG 404.827.
 10. PADMOUNT SERVICE SHALL BE 120/240V 200A SINGLE METER SERVICE PER C.C.A. STD DWG NO. 404.1412.
 11. CONTROLLER SHALL BE ENCLOSED IN A TYPE R CONTROLLER CABINET.
 12. ALL EXTENSION LOOPS SHALL HAVE SEPARATE HOME RUNS TO THE CONTROLLER.
 13. INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL HAVE WIDE ANGLE PRISMATIC SHEETING ON TRANSLUCENT SIGN PANEL, DOUBLE FACED, WITH UPPER CASE LETTERING. BLOCK NO. SIGNS SHALL HAVE WIDE ANGLE PRISMATIC SHEETING ON BLOCK NUMBER SIGN PANEL.
 14. INSTALL NEW MICROWAVE COMMUNICATIONS SYSTEM TO JONES BLVD.
 15. OPTICOM DETECTOR SHALL BE MOUNTED ON TOP OF THE OUTER MOST HEAD ON POLES A AND D. OPTICOM DETECTOR CABLE SHALL RUN FROM THE DETECTOR TO THE OPTICOM UNIT IN THE CABINET WITHOUT SPLICES. SEE C.C.A. STD. DWG. 404.320



BLOCK NUMBER SIGN DETAIL
(REFERENCE R.T.C. STD. DWG. NO. 404.420)



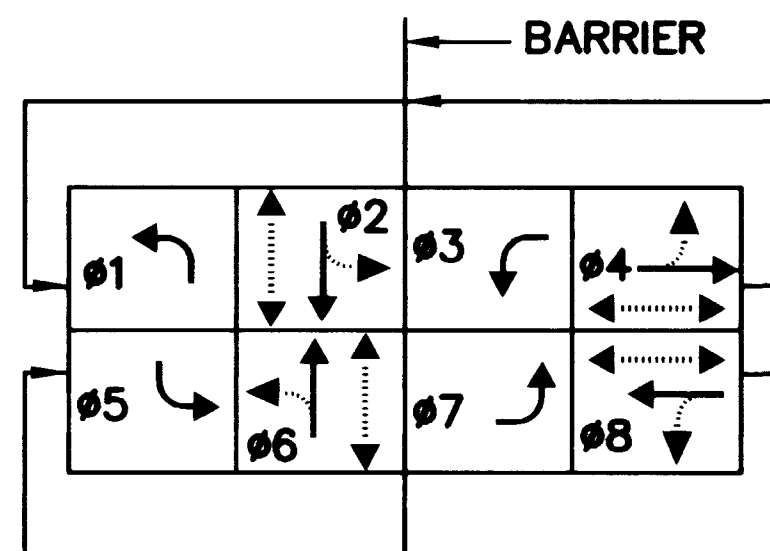
VEHICLE DETECTORS		
PHASE - LOCATION	AMPLIFIERS REQUIRED	REMARKS
#1 NB LT	1	NEW
#2 SB CALL	1	NEW
#3 WB LT	1	NEW
#4 EB EXTENSION	2	NEW
#4 EB CALL	1	NEW
#5 SB LT	1	NEW
#6 NB CALL	1	NEW
#7 EB LT	1	NEW
#8 WB EXTENSION	2	NEW
#8 WB CALL	1	NEW
12 NEW REQ'D.		

12 CHANNELS MINIMUM

POLE SCHEDULE										
POLE			SIGNALS VEHICULAR			SIGNALS PEDESTRIAN		PEDESTRIAN PUSH BUTTON		REMARKS
POLE	LOCATION STATION	TYPE	SIG. QUAD.	ARM LING.	ARM RING.	TYPE	QUADRANT	TYPE	QUADRANT	
(A)	142+79 (43'± LT.)	XX-30'-0"	4	40'	4 15'	(1)M-5 (1)M-2 (1)B-1T	2	W3T	2	4 RT LT TYPE H FOUNDATION
(B)	142+84 (47'± RT.)	XX-30'-0"	1	40'	1 15'	(1)M-5 (1)M-2 (1)B-1T	3	W3T	3	4 RT LT TYPE H FOUNDATION
(C)	141+91 (47'± RT.)	XX-30'-0"	2	40'	2 15'	(1)M-5 (1)M-2 (1)B-1T	4	W3T	4	1 LT RT TYPE H FOUNDATION
(D)	141+90 (44'± LT.)	XX-30'-0"	3	40'	3 15'	(1)M-5 (1)M-2 (1)B-1T	1	W3T	1	2 LT RT TYPE H FOUNDATION

SIGN SCHEDULE	
POLE	BLOCK NUMBER SIGN
(A) OAKLEY	W 5500
(B) LINDELL	S 1800
(C) OAKLEY	W 5600
(D) LINDELL	S 1700

- (1) PER DRAWINGS 404.416 & 404.417.
(2) FRONTSIDE - SEEN BY ONCOMING TRAFFIC
(3) BACKSIDE - OPPOSITE TO ONCOMING TRAFFIC.

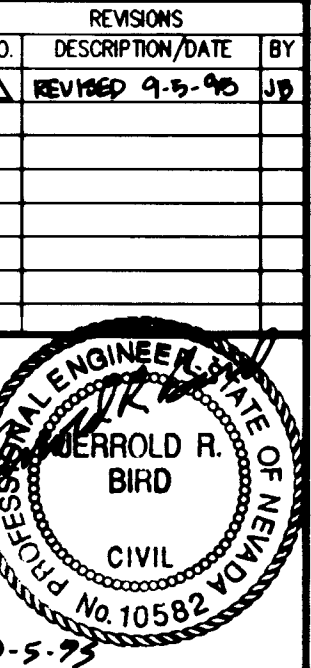


PHASING DIAGRAM
FLASHING OPERATION : ALL RED

CONDUIT AND CABLE SCHEDULE																						
WIRE & CABLE	FROM	TO	VIA CONDUIT																			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
PER NEC REQUIREMENTS	N.P. HANDHOLE	PADMOUNT SERVICE																			X	
4 NO. 4 COND.	PADMOUNT SERVICE	CONTROLLER																				X
25 COND. NO. 14 2 NO. 10 COND.	CONTROLLER	POLE A	X								X											X
25 COND. NO. 14 2 NO. 10 COND.	CONTROLLER	POLE B										X										X
25 COND. NO. 14 2 NO. 10 COND.	CONTROLLER	POLE C		X	X								X									X
25 COND. NO. 14 2 NO. 10 COND.	CONTROLLER	POLE D	X						X	X				X								X
2-12 AWG 2 COND. TWISTED	E.B. EXT. LOOPS	CONTROLLER	X	X	X													X				X
12 AWG 2 COND. TWISTED	E.B. CALL LOOPS	CONTROLLER	X	X																		X
12 AWG 2 COND. TWISTED	E.B. L.T. LOOPS	CONTROLLER	X	X																		X
12 AWG 2 COND. TWISTED	S.B. CALL LOOPS	CONTROLLER	X						X	X												X
12 AWG 2 COND. TWISTED	S.B. L.T. LOOPS	CONTROLLER	X						X	X												X
2-12 AWG 2 COND. TWISTED	W.B. EXT. LOOPS	CONTROLLER	X															X				X
12 AWG 2 COND. TWISTED	W.B. CALL LOOPS	CONTROLLER	X																			X
12 AWG 2 COND. TWISTED	W.B. L.T. LOOPS	CONTROLLER	X																			X
OPTICOM	POLE D	CONTROLLER	X						X	X				X								X
OPTICOM	POLE A	CONTROLLER	X									X										X
12 AWG 2 COND. TWISTED	N.B. L.T. LOOPS	CONTROLLER	X																			X
12 AWG 2 COND. TWISTED	N.B. CALL LOOPS	CONTROLLER	X																			X
NUMBER OF CONDUITS			2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	6
CONDUIT DIAMETER (INCHES)			(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(3)

CLV DWG NO. 107-V2247

AS BUILT



1100 GRIER DRIVE
LAS VEGAS, NEVADA 89119
PHONE (702) 361-9050
FAX (702) 361-0659
INCORPORATED
CONSULTING ENGINEERS

TRAFFIC SIGNAL PLAN
LINDELL ROAD AND OAKLEY BLVD
OAKLEY BOULEVARD
RAINBOW BLVD. TO DECATUR BLVD.

JOB NO.: 2-241-073
ACAD FILE: OAKTS04
DESIGNED: J.B.
DRAWN: T.H.
CHECKED: D.P.
DATE: JUNE 1995

TS4

34 OF 62 SHEETS

1. NORTH ORIENTED AND SCALE INDICATED FOR REFERENCE ONLY.

2. THE DESIGN AND CONSTRUCTION OF THIS PROJECT ARE THE RESPONSIBILITY OF THE DESIGNER AND NOT THE CONTRACTOR.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT.

4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 1988 EDITION.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT.

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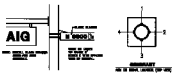
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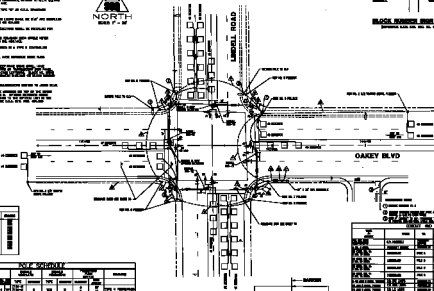
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BLOCK NUMBER 10000
(SHOWING EAST SIDE ONLY)



ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE
1	CONCRETE CURB	100	LINEAL FEET	1.50
2	CONCRETE SIDEWALK	200	SQ. YD.	2.00
3	CONCRETE DRIVEWAY	50	SQ. YD.	3.00
4	CONCRETE PAVEMENT	1000	SQ. YD.	4.00
5	CONCRETE BASE	1000	SQ. YD.	2.00
6	CONCRETE SUBGRADE	1000	SQ. YD.	1.00
7	CONCRETE CURB	100	LINEAL FEET	1.50
8	CONCRETE SIDEWALK	200	SQ. YD.	2.00
9	CONCRETE DRIVEWAY	50	SQ. YD.	3.00
10	CONCRETE PAVEMENT	1000	SQ. YD.	4.00
11	CONCRETE BASE	1000	SQ. YD.	2.00
12	CONCRETE SUBGRADE	1000	SQ. YD.	1.00

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5	CONCRETE BASE	1000	SQ. YD.	2.00
6	CONCRETE SUBGRADE	1000	SQ. YD.	1.00



TRAFFIC SIGNAL
BLOCK NUMBER 10000

ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE
1	CONCRETE CURB	100	LINEAL FEET	1.50
2	CONCRETE SIDEWALK	200	SQ. YD.	2.00
3	CONCRETE DRIVEWAY	50	SQ. YD.	3.00
4	CONCRETE PAVEMENT	1000	SQ. YD.	4.00
5	CONCRETE BASE	1000	SQ. YD.	2.00
6	CONCRETE SUBGRADE	1000	SQ. YD.	1.00
7	CONCRETE CURB	100	LINEAL FEET	1.50
8	CONCRETE SIDEWALK	200	SQ. YD.	2.00
9	CONCRETE DRIVEWAY	50	SQ. YD.	3.00
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11	CONCRETE BASE	1000	SQ. YD.	2.00
12	CONCRETE SUBGRADE	1000	SQ. YD.	1.00

CLV DWG NO. 107-V2247

AS BUILT

TRAFFIC SIGNAL PLAN
LINDELL ROAD AND OAKLEY BLVD
BLOCK NUMBER 10000

TS4

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