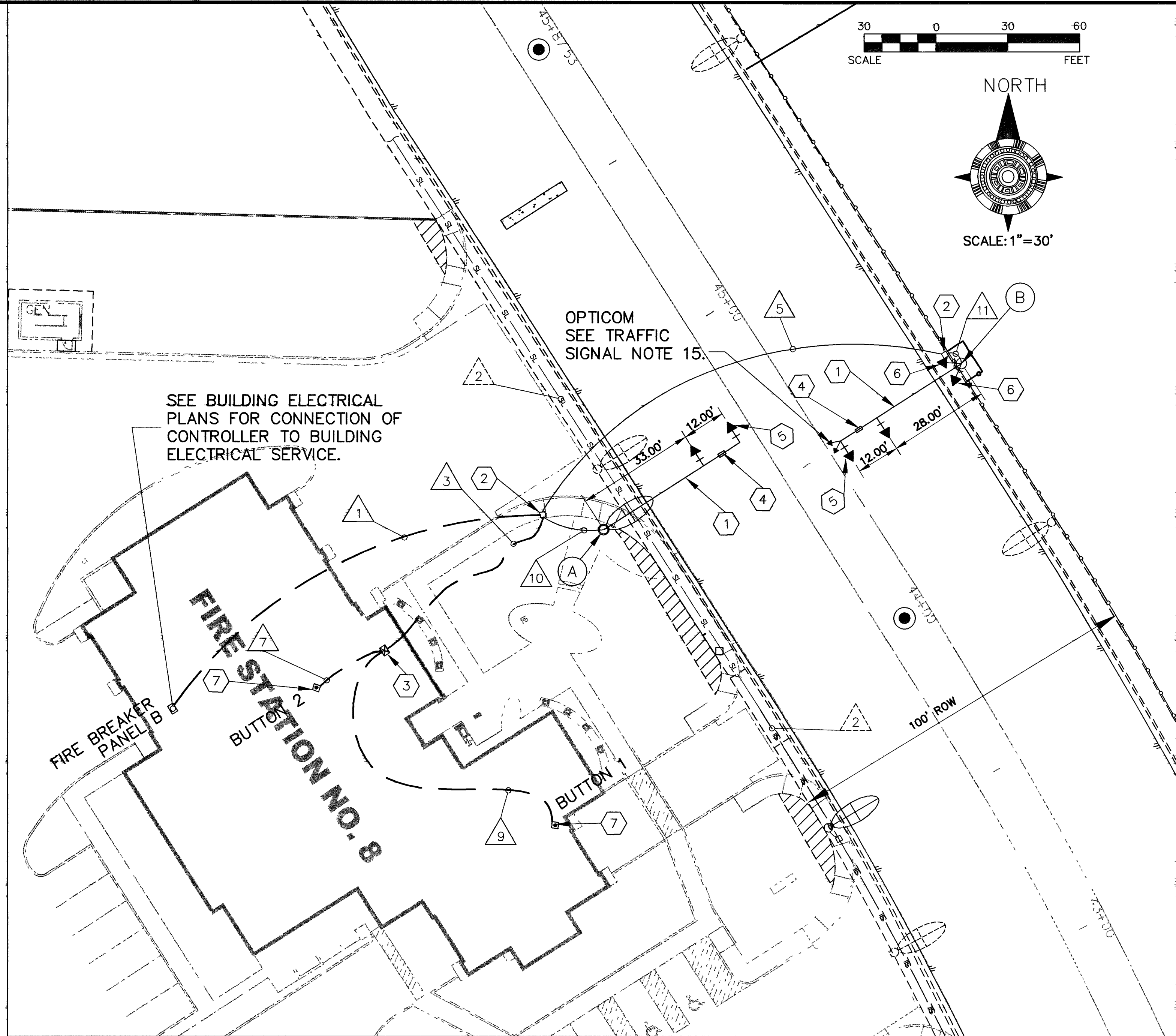
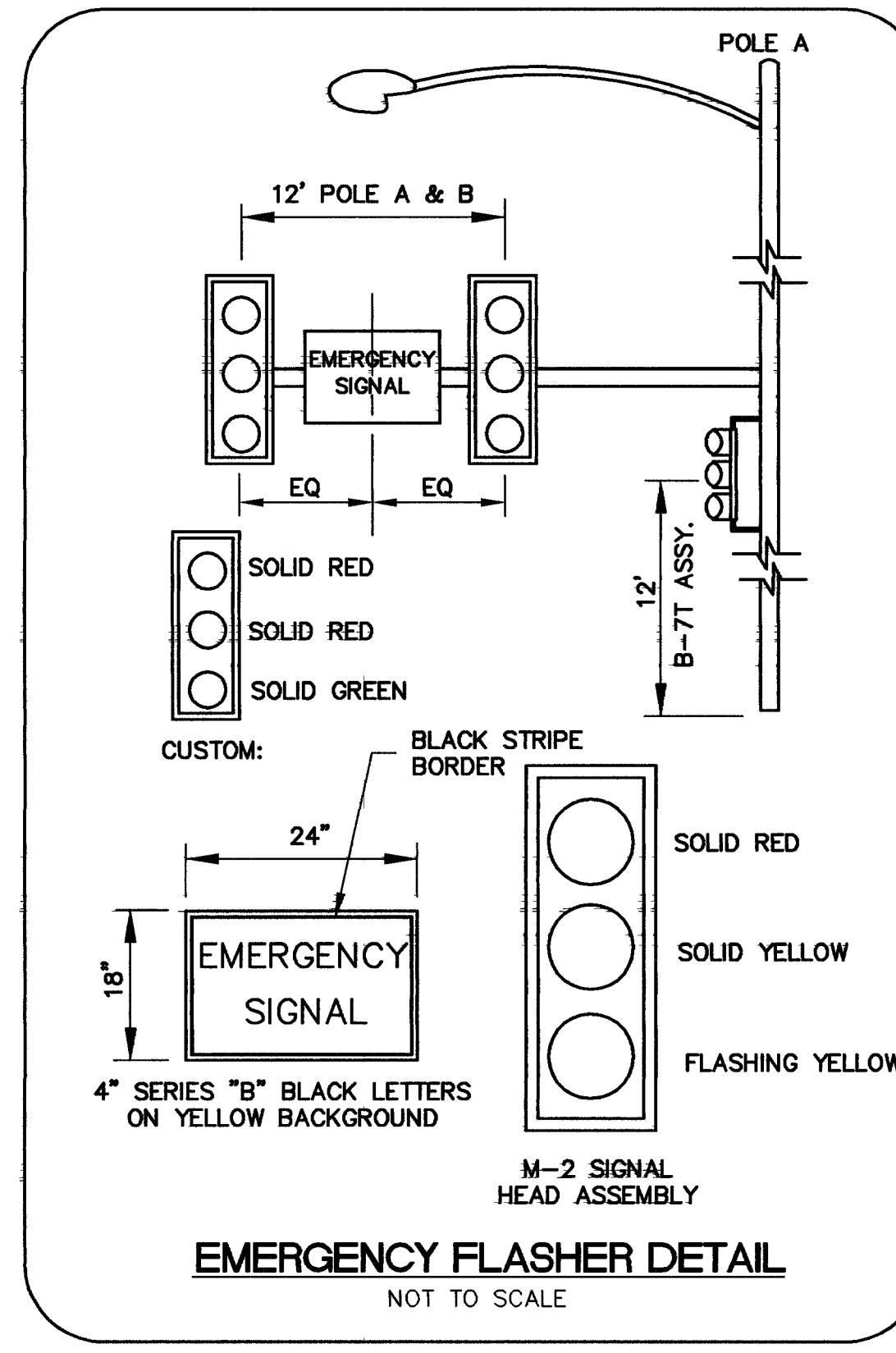




- ### CITY OF LAS VEGAS TRAFFIC SIGNAL NOTES
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL EXISTING UTILITIES. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TO VERIFY IN THE FIELD THE LOCATIONS OF THEIR INSTALLATIONS 72 HOURS PRIOR TO CONSTRUCTION.

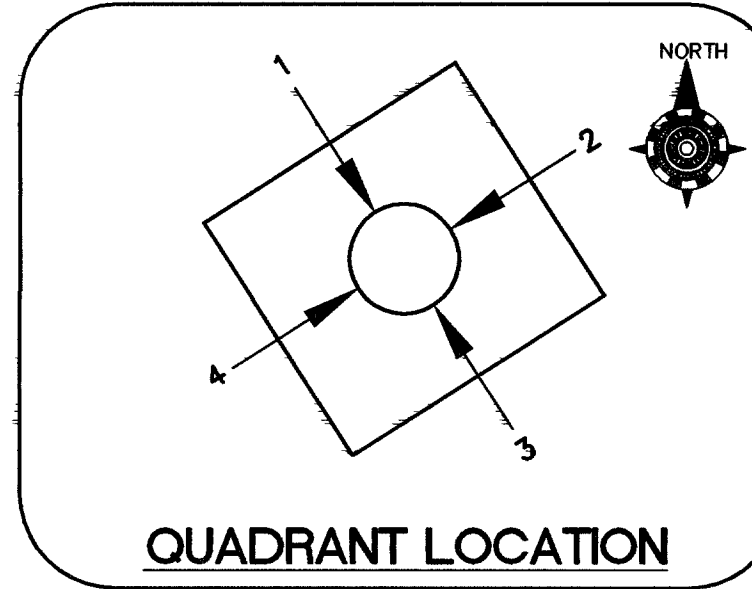
CALL-BEFORE-YOU-OVERHEAD 1-702-593-6111
CALL-BEFORE-YOU-DIG 1-800-227-2600
CITY OF LAS VEGAS TRAFFIC 229-6531
ENGINEERING & FIELD OPERATIONS
NEVADA POWER 367-5307
 - ALL CABLE AND WIRING SHALL BE INSTALLED FROM TERMINAL TO TERMINAL WITHOUT SPLICES.
 - TRAFFIC SIGNAL CABLE SHALL BE 10 CONDUCTOR, EXCEPT AS NOTED, #14 AWG CABLE AND SHALL CONFORM TO IMSA SPEC. NO. 20-1.
 - ALL PULL BOXES SHALL BE PRECAST REINFORCED CONCRETE AND HAVE COMPOSITE COVERS MARKED "TRAFFIC SIGNALS" FOR TRAFFIC SIGNAL WIRING.
 - THE ROUTING AND TERMINATION OF CONDUITS AND THE PLACING OF POLES AND CABINETS SHALL BE AS INDICATED ON THE PLANS. ALL CHANGES SHALL BE APPROVED BY THE TRAFFIC ENGINEER.
 - ALL SIGNAL POLES SHALL CONFORM TO UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA NO. 404.40 SHEETS 1 THROUGH 6.
 - THE FINAL LOCATION OF POLES SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION BY THE TRAFFIC ENGINEER.
 - EACH NEW MAST ARM SHALL BE SET PERPENDICULAR TO THE INTERSECTION APPROACH THAT FACES THE TRAFFIC SIGNALS ON THE MAST ARM.
 - LUMINAIRE ARM SHALL PROVIDE FOR 35' MOUNTING HEIGHT.
 - ALL TRAFFIC SIGNAL HEADS SHALL HAVE 12" DIAMETER LOUVERED BACKLITES. ALL SIGNAL INDICATORS SHALL BE LED MODULES PER CITY OF LAS VEGAS LATEST STANDARDS.
 - THE SIGNAL HEAD TENON PLACEMENT SHALL BE VERIFIED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER PRIOR TO MANUFACTURE OF THE MAST ARMS.
 - INTERSECTION LIGHTING SHALL CONSIST OF ONE (1) 400 WATT HPS LUMINAIRE.
 - CONTRACTOR TO OBTAIN AND INSTALL SIGNAL CONTROL CIRCUIT AND CABINET PROVIDED FROM CITY OF LAS VEGAS TRAFFIC SIGNAL SHOP. CITY OF LAS VEGAS TRAFFIC SIGNAL SHOP TO DETERMINE FINAL LOCATION OF CONTROLLER ENCLOSURE, ENCLOSURE TO BE INSTALLED PRIOR TO INSTALLATION OF CONDUIT AND CONDUCTORS. CITY OF LAS VEGAS WILL MAKE FINAL TERMINATIONS OF CONDUCTORS WITHIN CONTROL CABINET. CONTACT TIM ARMSTRONG AT THE CITY OF LAS VEGAS TRAFFIC SIGNAL SHOP, 229-6075 PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - ALL WORK TO BE COMPLETED IN ACCORDANCE WITH UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA (USDCCA) LATEST EDITION.
 - 3M MODEL 721 (SPLIT, DUAL HEAD) OPTICOM DETECTORS SHALL BE MOUNTED ON TOP OF LEFT-MOST M-2 SIGNAL HEAD ON THE MAST ARM OF POLE B. THE CONTROLLER SHALL BE EQUIPPED FOR OPTICOM PRE-EMPTION USING A MODEL 752 PHASE SELECTOR. MODEL 138 OPTICOM DETECTOR CABLE SHALL BE RUN FROM THE CONTROLLER TO THE OPTIC DETECTOR AS SHOWN IN THE CONDUIT AND WIRE SCHEDULE.

- ### CONSTRUCTION NOTES
- CONSTRUCT EMERGENCY FLASHER PER SCHEDULES AND DETAILS, THIS SHEET.
 - INSTALL NO. 5 PULLBOX PER USD NO. 328 (SEE SHEET C-18). COVER TO BE NON-METALLIC, TRAFFIC BEARING RATE.
 - SIGNAL CONTROLLER PREEMPTION SYSTEM (SEE TRAFFIC SIGNAL NOTE 13).
 - MOUNT SIGN PER USD NO. 404.418 (SEE SHEET C-18).
 - MOUNT M-2 SIGNAL HEAD ASSEMBLY PER USD NO. 404.1023 (SEE SHEET C-18).
 - MOUNT CUSTOM B-7T SIGNAL HEAD PER USD NO. 404.1026 WITH SECOND BACK PLATE AND HORZ. PLUMBING 16" MIN. IN LENGTH (SEE SHEET C-19).
 - SEE ELECTRICAL PLANS, SHEET E3.1 FOR EXACT LOCATION OF TRAFFIC CONTROL BUTTON.



SEQUENCE OF OPERATION

WHEN THE SYSTEM IS UNDER NORMAL OPERATION, THE MAST ARM SIGNAL HEAD ASSEMBLIES WILL CONTINUALLY FLASH YELLOW, AND THE CUSTOM SIGNALS WILL BE RED. ACTIVATION FROM ANY OF THE CONTROL STATIONS WILL START A TIMED SEQUENCE THAT WILL CHANGE THE SYSTEM FROM FLASHING YELLOW TO SOLID YELLOW TO SOLID RED FOR THE MAST ARM SIGNAL HEAD ASSEMBLIES. ONE SECOND AFTER THE MAST ARM SIGNAL HEAD ASSEMBLIES HAVE CHANGED TO SOLID RED, THE CUSTOM SIGNALS WILL BE ILLUMINATED. THE SYSTEM WILL REMAIN IN THE EMERGENCY PHASE (SOLID RED FOR CROSS TRAFFIC AND GREEN FOR THE FIRE DEPARTMENT STAFF) FOR A PREDETERMINED TIME BEFORE REVERTING BACK TO NORMAL OPERATION. THE DURATION OF THE EMERGENCY PHASE IS TO BE ADJUSTABLE, AND WILL BE SET BY THE CLV FIRE DEPARTMENT IN COOPERATION WITH THE CLV TRAFFIC ENGINEERING STAFF.



BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL #2LV01
25S4 RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHEAST CORNER OF BONANZA ROAD AND MOJAVE ROAD.
ELEVATION 1812.97 FEET NAVD88
552.594 METERS NAVD88

BASIS OF BEARING

THE NORTH LINE OF THE SOUTHEAST QUARTER (SE1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 25, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CLARK COUNTY, NEVADA, BEARS SOUTH 88°52'45" EAST AS SHOWN ON THE RECORD OF SURVEY, RECORDED IN THE FILE 82, PAGE 99 OF SURVEYS, CLARK COUNTY RECORDS.

Avoid cutting underground utility lines. If's costly!

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

Avoid hitting overhead power lines. It's costly!

CALL BEFORE YOU DO OVERHEAD
1-702-593-6111

CONDUIT AND WIRE SCHEDULE													
WIRE	FROM	TO	VIA CONDUIT										
			1	2	3	4	5	6	7	8	9	10	11
EX. (2) #4 THW & EX. (1) #8 GRND (GREEN)	STREET LIGHT POLE	STREET LIGHT POLE		X		NOT USED							
(1) #10 THW (BLACK) (1) #10 THW (WHITE) (1) #10 GRND (GREEN)	FIRE BREAKER PANEL B	LUMINAIRE ON POLE A	X								X		
SEE SHEET E3.1, NOTE 21	FIRE BREAKER PANEL B	CONTROLLER	SEE		ELECTRICAL PLANS								
10 CONDUCTOR CABLE (1) #8 GRND (GREEN)	CONTROLLER	SIGNALS ON POLE A			X							X	
10 CONDUCTOR CABLE (1) #8 GRND (GREEN)	CONTROLLER	SIGNALS ON POLE B			X			X					X
(2) #14 (1) #12 GRND													
(2) #14 (1) #12 GRND	CONTROLLER	CONTROL BUTTON 2							X				
(2) #14 (1) #12 GRND													
(2) #14 (1) #12 GRND	CONTROLLER	CONTROL BUTTON 1									X		
(1) #4 M138 CABLE FOR OPTICOM	CONTROLLER	OPTICOM			X			X		3/4"			X
CONDUIT SIZE			1 1/4"	EXIST. 1 1/4"	(2)2"		(1)3"	3/4"	3/4"	3/4"	3/4"	2" 1 1/4"	

POLE SCHEDULE												
POLE	LOCATION	FOUNDATION	POLE TYPE	SIGNAL ARM		LUMINAIRE			VEHICLE SIGNAL HEAD ASSEMBLIES		PEDESTRIAN SIGNAL ASSEMBLIES/PUSH BUTTONS	REMARKS
				QUAD	LENGTH	QUAD	ARM	TYPE	TYPE	QUAD		
(A)	44+65.34 57.32' LT	TYPE "L"	XX-A (30')	2	45'	2	15'	400W 120V*	(2) M-2	M-ARM	N/A	
(B)	44+50.50 51.50' RT	TYPE "L"	XX-A (20')	4	40'			(2) CUSTOM B-7T SEE DWG 404.1026 SHEET G-19	(2) M-2	M-ARM 2	N/A	THERE IS TO BE ONE (1) SECOND OF RED TIME BEFORE THE GREEN BULB OF THE CUSTOM SIGNAL SHALL BE ILLUMINATED.

NOTE:

ALL CONDUIT RUNS ARE SHOWN SCHEMATICALLY FOR CLARITY. CONTRACTOR SHALL DETERMINE THE ACTUAL LOCATION OF ALL CONDUITS AND PULLBOXES IN THE FIELD WHILE MAINTAINING CITY OF LAS VEGAS STANDARDS.

*USE 120V AC, 400W LUMINAIRE (CUT OFF WITH TORK MODEL NUMBER 2007 PHOTO CONTROL-TURN LOCK MOUNTING). RUN 1-#10 BLACK, 1-#10 WHITE , 1-#10 GREEN (GRND) THW TO FIRE STATION BREAKER PANEL.

PROJ NO: AZ03157
DESIGN: LG/RAS
DATE: 3/10/06
SCALE: AS SHOWN
CADFILE: F508_10

STAMP DATE

3320 N. Bullock Drive
Suite 106
Las Vegas, NV 89128-7410
Tel: 702-396-3426
Fax: 702-396-3758
Web: aztec.us

AZTEC

CITY OF LAS VEGAS
FIRE STATION NO. 8
EMERGENCY SIGNAL FLASHER

SHEET
C-10
10 OF 24 SHEETS
CLV PRJ. #
013

RECORD DRAWINGS