CONDUIT & WIRE SCHEDULE

WIRE & CABLE	FROM	TO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
(3) #3/0, (1) #4 GROUND	SERVICE POINT	SERVICE PEDESTAL	●																														
(4) #4, (1) #8 GROUND	SERVICE PEDESTAL	CONTROLLER		●																													
25 CONDUCTOR #14	CONTROLLER	POLE A			●		●		●	●																							
25 CONDUCTOR #14	CONTROLLER	POLE B			●		●		●		●	●																					
25 CONDUCTOR #14	CONTROLLER	POLE C			●									●	●																		
25 CONDUCTOR #14	CONTROLLER	POLE D			●	●							S																				
25 CONDUCTOR #14	CONTROLLER	POLE E			●		●	●					P																				
25 CONDUCTOR #14	CONTROLLER	POLE F			●		●						A																				●
(2) #10 THW, (1) #8 GROUND	CONTROLLER	LUMINAIRE A			●		●		●	●			R																				
(2) #10 THW, (1) #8 GROUND	CONTROLLER	LUMINAIRE B			●		●		●		●	●	E																				
(2) #10 THW, (1) #8 GROUND	CONTROLLER	LUMINAIRE C			●									●	●																		
(2) #10 THW, (1) #8 GROUND	CONTROLLER	LUMINAIRE D			●	●							C																				
(2) #10 THW, (1) #8 GROUND	CONTROLLER	LUMINAIRE E			●		●	●					O																				
6 PAIR #18 MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER	LT. TURN POCKET DETECTION LOOPS 1A, 1B & 1C			●		●						N																				
6 PAIR #18 MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER	ADVANCE DETECTION LOOPS 2A			●		●		●		●		D							●	●												
6 PAIR #18 MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER	DETECTION LOOPS 2B, 2C, 2D, 2E & 2F			●		●		●		●		U							●	●												
6 PAIR #18 MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER	LT. TURN POCKET DETECTION LOOPS 3A, 3B & 3C			●								I		●								●		●								
6 PAIR #18 MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER	ADVANCE DETECTION LOOPS 4A			●		●		●				T				●	●															
6 PAIR #18 MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER	DETECTION LOOPS 4B, 4C & 4D			●		●		●								●																
6 PAIR #18 MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER	LT. TURN POCKET DETECTION LOOPS 5A, 5B & 5C			●		●		●		●										●		●										
6 PAIR #18 MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER	ADVANCE DETECTION LOOPS 6A			●											●																	
6 PAIR #18 MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER	DETECTION LOOPS 6B, 6C, 6D, 6E & 6F			●																												
6 PAIR #18 MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER	LT. TURN POCKET DETECTION LOOPS 7A, 7B & 7C			●		●		●								●		●														
6 PAIR #18 MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER	ADVANCE DETECTION LOOPS 8A			●										●								●	●									
6 PAIR #18 MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER	DETECTION LOOPS 8B & 8C			●																		●										
M138 OPTICOM CABLE	CONTROLLER	OPTICOM DETECTOR, POLE C			●									●	●																		
M138 OPTICOM CABLE	CONTROLLER	OPTICOM DETECTOR, POLE E			●		●	●																									
COMMUNICATIONS DISTRIBUTION CABLE ASSEMBLY (CDCA)	CONTROLLER	TYPE 200 SPLICE VAULT																								●							
72 STRAND FIBER OPTIC & 6 PAIR PE39 #22 AWG TRACER	CONTROLLER	HORSE DRIVE / SPUI CONTROLLER																									●						
72 STRAND FIBER OPTIC & 6 PAIR PE39 #22 AWG TRACER	CONTROLLER	FORT APACHE ROAD / BRENT LANE																										●	●				
6 PAIR PE39 #22 AWG TRACER	CONTROLLER	SKY POINTE DRIVE STUB																												●	●		
72 STRAND FIBER OPTIC & 6 PAIR PE39 #22 AWG TRACER	CONTROLLER	SKY POINTE DRIVE / RACEL STREET																														●	

● INDICATES NEW CONDUIT RUN
○ INDICATES EXISTING CONDUIT RUN
◪ INDICATES EXISTING CONDUIT RUN WITH NEW WIRE

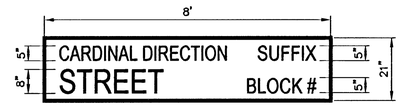
CONDUIT SIZE: 2" 3" 5-3" (3) 3" (3) 3" (3) 3" (2) 3" (2) 3" (2) 3" 2" 2" 2" 2" 2" 2" 2" 2" 2" 4" 4" 4" 4" 4" 4" 3"

STREET NAME & BLOCK NUMBER SIGN SCHEDULE

POLE	INTERNALLY ILLUMINATED STREET NAME SIGN	BLOCK NUMBER	STREET SUFFIX	CARDINAL DIRECTION	REMARKS
Ⓐ	SKY POINTE	SEE NOTE 1	DR	N	
Ⓑ	FORT APACHE	SEE NOTE 1	RD	W	MOUNT SIGN PANEL TO FACE SOUTHEAST SEE SIGN DETAIL #3
Ⓑ	FORT APACHE	SEE NOTE 1	RD	W	MOUNT SIGN PANEL TO FACE NORTHWEST SEE SIGN DETAIL #4
Ⓒ	SKY POINTE	SEE NOTE 1	DR	N	
Ⓔ	HORSE	SEE NOTE 1	DR	W	MOUNT SIGN PANEL TO FACE SOUTHEAST SEE SIGN DETAIL #2
Ⓔ	HORSE	SEE NOTE 1	DR	W	MOUNT SIGN PANEL TO FACE NORTHWEST SEE SIGN DETAIL #1

STREET NAME SIGN NOTES

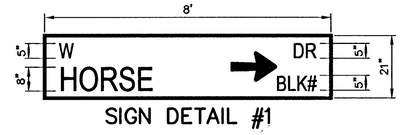
1. CONTRACTOR TO CONTACT CITY OF LAS VEGAS PLANNER GREG KAPOVICH AT 229-6137 TO VERIFY SIGN, DIRECTION & BLOCK NUMBERS **PRIOR** TO SIGN MANUFACTURING.



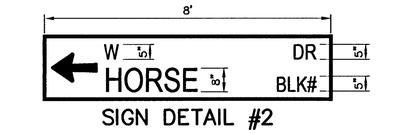
STREET NAME SIGN NOTES

1. STREET NAME LETTERS SHALL BE 8" SERIES "D". SPACING BETWEEN LETTERS MAY BE INCREASED BY UP TO 25% (MAX) TO ACHIEVE 4" END SPACING.
2. STREET SUFFIX, CARDINAL DIRECTION & BLOCK NUMBER LETTERS SHALL BE 5" SERIES "C" SPACING BETWEEN LETTERS MAY BE INCREASED BY UP TO 25% (MAX) TO ACHIEVE 4" END SPACING.

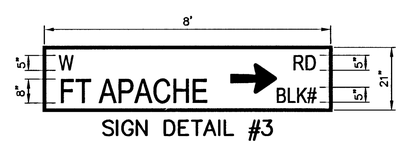
TYPICAL STREET NAME SIGN DETAIL



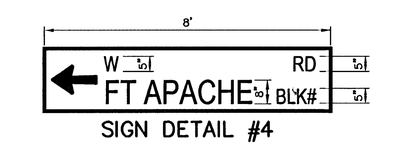
SIGN DETAIL #1



SIGN DETAIL #2



SIGN DETAIL #3



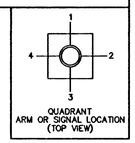
SIGN DETAIL #4

POLE SCHEDULE

POLE	LOCATION STATION	TYPE	SIGNAL ARM QUAD.	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD.	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD.	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD.	PED. PUSH BUTTON QUAD.	PED. PUSH BUTTON SIGN ARROW	REMARKS
Ⓐ	35+19.00 82.00' LT.	XX-B 30	3	75'	2 3	15' 15'	(4)M-2 (1)B-2T (1)B-1T	MAST ARM 1 3	W-0T	1	3	RT.	ø3 SHALL BE ALL ARROW INDICATIONS MOUNT B-2T 1FT HIGHER THAN B-1T.
Ⓑ	36+56.00 80.00' LT.	XX-A 30	4	40'	3 4	15' 15'	(2)M-2 (1)B-2T	MAST ARM 2	W-3T	2	3 4	LT. RT.	ø1 SHALL BE ALL ARROW INDICATIONS
Ⓒ	36+51.00 77.00' RT.	XX-A 30	1	60'	1 4	15' 15'	(4)M-2 (1)B-2T (1)B-1T	MAST ARM 3 1	W-3T	3	1 4	RT. LT.	ø7 SHALL BE ALL ARROW INDICATIONS MOUNT B-2T 1FT HIGHER THAN B-1T.
Ⓓ	35+44.00 102.50' RT.	XX-A 30			1 2	15' 15'	(1)B-2T	4	W-0T	4	1	LT.	ø5 SHALL BE ALL ARROW INDICATIONS
Ⓔ	35+20.00 7.00' RT.	XX-B 30	2	85'	2	15'	(4)M-2 (1)B-14T	MAST ARM 4					ø3, ø5 & ø7 SHALL BE ALL ARROW INDICATIONS
Ⓕ	35+13.00 7.00' RT.	XX-A 30	3	25'			(1)M-2	MAST ARM					

POLE NOTES

1. ALL POLE LOCATIONS ARE BASED FROM HORSE DRIVE CENTERLINE STATIOINING.
2. POLES A & E SHALL HAVE A TYPE "M" FOUNDATION PER STD. DWG. NO. 404.210.
3. POLES B, C, D & F SHALL HAVE A TYPE "L" FOUNDATION PER STD. DWG. NO. 404.209.
4. NLU-211 SIGN SHALL BE 36"x30".
5. NLU-211B SIGN SHALL BE 42"x30".
6. R3-4 SIGN SHALL BE 30"x30".
7. M3-3 SIGN SHALL BE 24"x12".
8. M1-4 SIGN SHALL BE 24"x24".
9. M6-3 SIGN SHALL BE 21"x15".
10. R9-3A SIGN SHALL BE 24"x24".



QUADRANT ARM OR SIGNAL LOCATION (TOP VIEW)

6-PAIR LOOP LEAD-IN CABLE ASSIGNMENTS

PAIR No.	COLOR	PHASE LETTER DESIGNATION
1	BLACK & RED	A
2	BLACK & WHITE	B
3	BLACK & GREEN	C
4	BLACK & BLUE	D
5	BLACK & YELLOW	E
6	BLACK & BROWN	F

LOOP DETECTOR SCHEDULE
12 CHANNEL LOOP DETECTOR RACK "A" ASSIGNMENTS

MOVEMENT	LOOP NUMBER	DETECTOR CHANNEL	LOOP OPERATION
WESTBOUND THRU	8A	1	"PRESENCE" LOOP FOR EXTENSION
	8B	2	"COUNT/CALL" LOOP
	8C	3	"COUNT/CALL" LOOP
WESTBOUND LEFT	3A	4	"PRESENCE/COUNT" LOOP
WESTBOUND LEFT	3B	5	"PRESENCE/COUNT" LOOP
WESTBOUND LEFT	3C	6	"PRESENCE" LOOP
EASTBOUND THRU	4A	7	"PRESENCE" LOOP FOR EXTENSION
	4C	8	"COUNT/CALL" LOOP
	4D	9	"COUNT/CALL" LOOP
EASTBOUND RIGHT	4B	10	"COUNT/CALL" LOOP WITH DELAY

LOOP DETECTOR SCHEDULE
12 CHANNEL LOOP DETECTOR RACK "B" ASSIGNMENTS

MOVEMENT	LOOP NUMBER	DETECTOR CHANNEL	LOOP OPERATION
EASTBOUND LEFT	7A	1	"PRESENCE/COUNT" LOOP
EASTBOUND LEFT	7B	2	"PRESENCE/COUNT" LOOP
EASTBOUND LEFT	7C	3	"PRESENCE" LOOP
NORTHBOUND THRU	6A	4	"PRESENCE" LOOP FOR EXTENSION
	6C	5	"COUNT/CALL" LOOP
	6D	6	"COUNT/CALL" LOOP
	6E	7	"COUNT/CALL" LOOP
NORTHBOUND RIGHT	6B	8	"COUNT/CALL" LOOP WITH DELAY
NORTHBOUND LEFT	1A	9	"PRESENCE/COUNT" LOOP
NORTHBOUND LEFT	1B	10	"PRESENCE/COUNT" LOOP
NORTHBOUND LEFT	1C	11	"PRESENCE" LOOP

LOOP DETECTOR SCHEDULE
12 CHANNEL LOOP DETECTOR RACK "C" ASSIGNMENTS

MOVEMENT	LOOP NUMBER	DETECTOR CHANNEL	LOOP OPERATION
SOUTHBOUND THRU	2A	1	"PRESENCE" LOOP FOR EXTENSION
	2C	2	"COUNT/CALL" LOOP
	2D	3	"COUNT/CALL" LOOP
	2E	4	"COUNT/CALL" LOOP
	2F	5	"COUNT/CALL" LOOP
SOUTHBOUND RIGHT	2B	6	"COUNT/CALL" LOOP WITH DELAY
SOUTHBOUND LEFT	5A	7	"PRESENCE/COUNT" LOOP
SOUTHBOUND LEFT	5B	8	"PRESENCE/COUNT" LOOP
SOUTHBOUND LEFT	5C	9	"PRESENCE" LOOP

ELECTRICAL ONLY
PROFESSIONAL ENGINEER - STATE OF NEVADA
THOMAS M. ANDERSON
EXP. 12/31/08
ELECTRICAL
No. 13948
7-21-08

REVISION | BY | DATE | REV

PUBLIC WORKS DEPARTMENT
400 E. STEWART AVE.
LAS VEGAS, NV 89101
702-229-6272

CITY OF LAS VEGAS, NV

nevada CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS
2277 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5146
PH. (702) 873-7500 FAX (702) 362-2597

TRAFFIC SIGNAL SCHEDULES
HORSE DRIVE / FORT APACHE &
SKY POINTE DRIVE

HORSE DRIVE / US 95
INTERCHANGE

DRAWN BY: RBM 06/30/2008
DESIGNED BY: VTN 06/30/2008
CHECKED BY: RCH 06/30/2008
SCALE: HORIZ. N/A VERT. N/A
PROJECT NO: 6500

PROFESSIONAL ENGINEER - STATE OF NEVADA
ROBERT C. HOSEA III
EXP. 06/30/08
CIVIL
No. 10112
7-21-08

SHEET
T7
208 OF 453 SHEETS
DRAWING NO.
107V3759

I:\6500\DWG\DESIGN\6500-Signal Plan.dwg

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