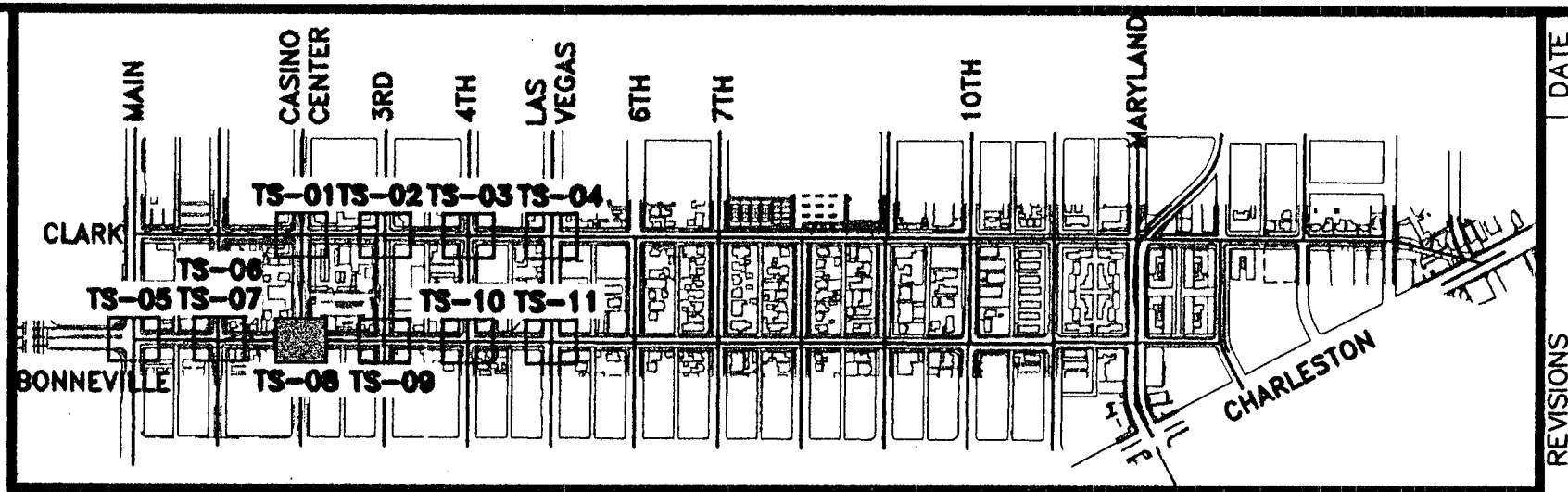


POST	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/EXISTING
(B)	E	BONNEVILLE	AVE	200	YES	EXISTING
(C)	S	CASINO CENTER	BLVD	600	YES	EXISTING
(D)	E	BONNEVILLE	AVE	100	YES	EXISTING

WIRE & CABLE	FROM	TO	CONDUIT															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2 No. 4 AWG SERVICE METER	SERVICE METER	CONTROLLER	(E)	(E)														(E)
2 No. 4 AWG SERVICE METER	SERVICE METER	T100 VAULT (LIGHTING)	(E)															(E)
1-25 COND. No. 14 1-OPTICOM CABLE	CONTROLLER	POLE A								(E)								(E) - CABLES AND CONDUCTORS INSTALLED IN POLE
1-25 COND. No. 14 1-OPTICOM CABLE	CONTROLLER	POLE B								(E)	(E)	(E)						(E)
1-25 COND. No. 14 1-OPTICOM CABLE	CONTROLLER	POLE C								(E)	(E)	(E)						(E)
1-25 COND. No. 14 1-OPTICOM CABLE	CONTROLLER	POLE D								(E)								(E)
2-No. 10 COND. T100 VAULT	T100 VAULT	POLE A								(E)								(E)
2-No. 10 COND. T100 VAULT	T100 VAULT	POLE B								(E)	(E)	(E)						(E)
2-No. 10 COND. T100 VAULT	T100 VAULT	POLE C								(E)	(E)	(E)						(E)
2-No. 10 COND. T100 VAULT	T100 VAULT	POLE D								(E)								(E)
LOOP LEAD-IN CABLE (#2,#5,OLA)	CONTROLLER	DET PULLBOX	(E)	(E)	(E)													(E)
LOOP LEAD-IN CABLE (#4)	CONTROLLER	DET PULLBOX															1	1
LOOP LEAD-IN CABLE (#5,OLB)	CONTROLLER	DET PULLBOX	(E)															(E)
LOOP LEAD-IN CABLE (#8)	CONTROLLER	DET PULLBOX	(E)							(E)								(E)
1-No. 8 (GREEN)	T100 VAULT TO POLES		(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)
PULL ROPE	(NUMBER AS SHOWN)		(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)

No. OF CONDUITS - CONDUIT SIZE:  
(E) - EXISTING CABLE, CONDUCTORS OR CONDUITS

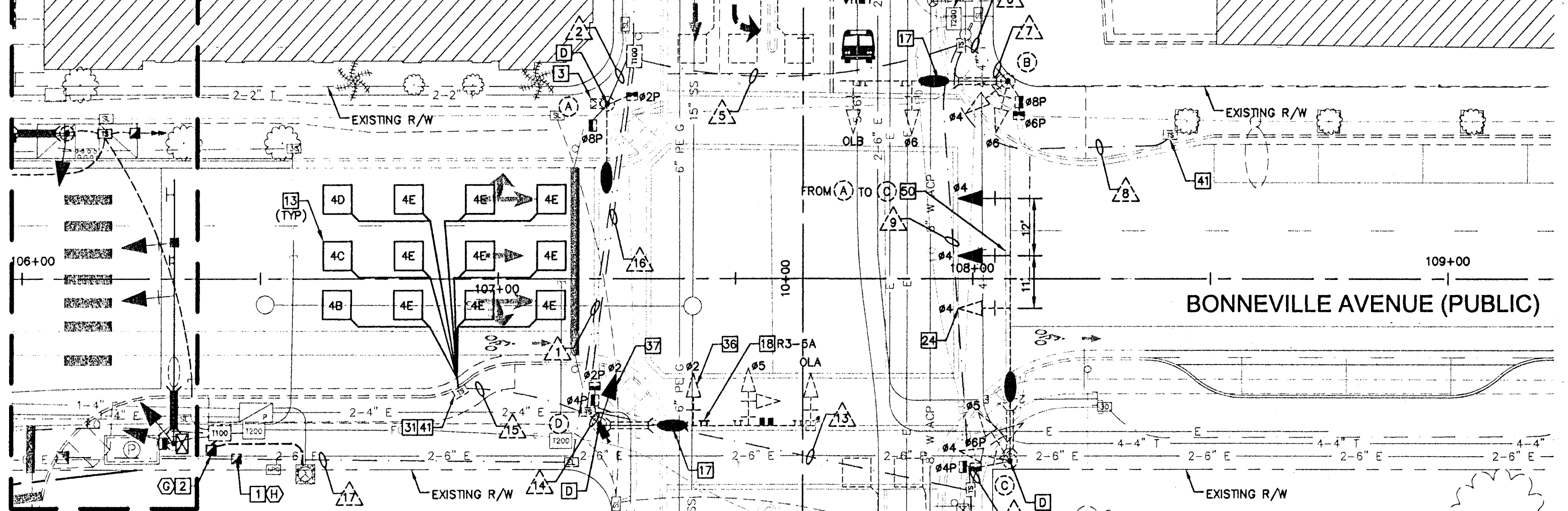


KEY MAP

CONSTRUCTION NOTES (TS SHEETS ONLY)

- EXISTING 200 AMP 120/240 VAC SERVICE PEDESTAL (SEE SHEET TS-13).
- EXISTING POLE-MOUNTED TRAFFIC SIGNAL CABINET ASSEMBLY. CONTRACTOR SHALL PREPARE AS-BUILT DRAWINGS UPON COMPLETION OF PROJECT DETAILING ANY CHANGES TO THE CONTROLLER CABINET OR OPERATION.
- TYPE 200 VAULT MARKED "FIBER OPTIC" (SEE SL SHEETS INTERCONNECT AND STREET LIGHTING EQUIPMENT AND DETAILS).
- ALL VEHICLE SIGNAL INDICATIONS AND PEDESTRIAN SIGNAL INDICATIONS SHALL BE SUPPLIED AND INSTALLED WITH LIGHT EMITTING DIODE (LED) SIGNAL MODULES.
- FURNISH AND INSTALL 6"x6" MULTIPLE LOOP SYSTEM (SEE SHEET TS-13 FOR LOOP LAYOUT AND DETAILS).
- FURNISH AND INSTALL INTERNALLY-ILLUMINATED "ONE WAY" SIGN ON MAST ARM. SEE "ONE WAY" SIGN DETAIL (SHEET TS-12) AND SIGN SCHEDULE (THIS SHEET) FOR DETAILS.
- FURNISH AND INSTALL SIGN ON MAST ARM. SEE SIGN SCHEDULE (THIS SHEET) FOR SIGN DESIGNATION AND SIZE.
- RELOCATE SIGNAL HEADS AND/OR EQUIPMENT ON EXISTING MAST ARM. SEE DEMOLITION SHEETS (DM) AND EQUIPMENT SCHEDULE (THIS SHEET) FOR DETAILS.
- CONNECT NEW LOOP WIRE TO EXISTING LOOP PULL BOX IN ACCORDANCE WITH CCAUSD No. 404.811. FURNISH AND INSTALL NEW LOOP LEAD-IN CABLE.
- REPLACE GREEN BALL INDICATION WITH GREEN UP ARROW INDICATION (SEE SHEET TS-12 FOR DETAIL).
- FURNISH AND INSTALL NEW SIGNAL HEAD WITH GREEN UP ARROW INDICATION (SEE SHEET TS-12 FOR DETAIL).
- DISCONNECT EXISTING LOOP WIRE FROM LOOP LEAD-IN CABLE IN EXISTING LOOP PULL BOX AND ABANDON IN PLACE.
- RELOCATE AND REINSTALL SIGNAL HEAD AND/OR EQUIPMENT TO DIFFERENT POLE AT SAME INTERSECTION (SEE DM SHEETS).
- SEE DEMOLITION SHEETS (DM) FOR DEMOLISHED, RELOCATED/REMOVED AND/OR SALVAGED EQUIPMENT.

SEE SHEET TS-06



SIGN SCHEDULE

CONSTRUCTION NOTE	(18)	(17)	(17)	(17)	(17)
SIGN ILLUSTRATION					
SIGN DESIGNATION DIMENSIONS	R3-5A 30"x36"	R3-5 30"x36"	R3-18 24"x24"	R3-10 (M) 30"x36"	SPECIAL (RIGHT) 72"x17.5"
POLE*	(D)	(D)	(B)	(B)	(D)

\* (X) = EXISTING SIGN, (N) = NEW SIGN

POLE AND EQUIPMENT SCHEDULE

POLE*	LOCATION STATION AND OFFSET	TYPE HEIGHT FOUND	MAST ARM		LUMINAIRE		VEHICLE SIGNALS				PEDESTRIAN SIGNALS			EMERGENCY VEHICLE DETECTOR	REMARKS
			QUAD	LENGTH	QUAD	LENGTH	TYPE	QUAD	TYPE	QUAD	PHASE	ARROW	QUAD		
(A)	CASINO CENTER BLVD EXISTING	XX-A 30' (E)	-	-	3	15' (E)	-	-	PP (E)	2	3	#2 L (E)	2	3	(D)(3)
(B)	CASINO CENTER BLVD EXISTING	XX 30' (E)	4	35' (E)	4	15' (E)	(2) M-2 (E)	MA 2	W-4T (E)	2	#6 R (E)	4	3	-	(17)
(C)	CASINO CENTER BLVD EXISTING	XX-A 30' (E)	1	55' (E)	1	15' (E)	(2) M-2 (R)	MA 3	W-4T (E)	3	#4 R (E)	1	4	TWO-WAY (R)	(D)(2)(2)
(D)	CASINO CENTER BLVD EXISTING	XX 30' (E)	2	45' (E)	2	15' (E)	(2) M-2 (E)	MA 4	W-4T (E)	4	#4 L (E)	1	2	TWO-WAY (E)	(D)(1)(2)(7)(18)(3)(5)(7)

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS

\* ALL POLES, MAST ARMS, AND LUMINAIRES SHALL CONFORM TO THE CITY OF LAS VEGAS CENTENNIAL STANDARDS.  
 PP - REFER TO CCAUSD No. 404.1201 FOR POLE PLATE PEDESTRIAN SIGNAL HEAD MOUNTING ASSEMBLY DETAIL.  
 (N) - NEW EQUIPMENT  
 (R) - EQUIPMENT TO BE RELOCATED ACCORDING TO THIS PLAN.  
 (E) - EXISTING EQUIPMENT

GENERAL NOTES

- CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
- CONTRACTOR SHALL INSTALL RED MARKING TAPE 18" BELOW GRADE, ABOVE ALL PROPOSED CONDUITS.
- CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING OR DIGGING.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE RESIDENT ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- CONTRACTOR TO COORDINATE LOCATIONS OF PROPOSED PULL BOXES TO BE ADJACENT TO SIDEWALK JOINTS AND SCORING PATTERN LINES. SEE LANDSCAPE SHEETS (LA) FOR SIDEWALK SCORING PATTERN.
- SEE SL SHEETS FOR SERVICE PEDESTAL, STREET LIGHTING AND INTERCONNECT DESIGN.
- EXISTING TRAFFIC SIGNALS MUST REMAIN OPERATIONAL AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE UNIFORMED TRAFFIC CONTROL OFFICERS AT ALL TIMES WHEN THE TRAFFIC SIGNAL CANNOT REMAIN OPERATIONAL UNLESS ANOTHER METHOD IS APPROVED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
- AS PART OF THE TRAFFIC SIGNAL INSTALLATION THE CONTRACTOR SHALL REMOVE AND SALVAGE ALL EXISTING TRAFFIC SIGNAL EQUIPMENT (POLES, MAST ARMS, INTERSECTION LIGHTING, CONTROLLER CABINET, ETC.) AS IDENTIFIED ON THE PLANS. SUB-SURFACE AND SURFACE CONDITIONS SHALL BE REPAIRED OR REPLACED TO MATCH THE SURROUNDING AREA. ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS SALVAGED SHALL BE RETURNED TO THE CLV EAST SERVICE YARD. PROVIDE 24 HOUR NOTICE PRIOR TO DELIVERY. CALL 702-229-3661 TO SCHEDULE DELIVERY TIME. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
- AS PART OF THE INTERNALLY ILLUMINATED ONE WAY SIGN INSTALLATION THE CONTRACTOR MAY BE REQUIRED TO RELOCATE OR ADJUST EXISTING MAST ARM MOUNTED SIGNING, SIGNAL HEAD TENDONS OR OTHER EQUIPMENT. ALL ADJUSTMENTS SHALL BE APPROVED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
- PULL BOX AND VAULT LOCATIONS AND CONDUIT ROUTING ARE SCHEMATIC FOR THE PURPOSE OF CLARITY AND MAY DIFFER FROM ACTUAL INSTALLATION. FINAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.

TAND, INC. AS-BUILT

DATE: DANIEL MEYER

GRAPHIC SCALE (IN FEET)

811 SAFETY ALERT

Call Before You Overhead

Call before you dig 1-702-227-2929

UnderGround 1-702-432-5300

DATE: 6/21/10  
 REVISIONS: SHEET REPLACEMENT  
 DESIGNED BY: AP/RC  
 CHECKED BY: RC/RF  
 SCALE (V): N/A  
 SCALE (H): 1"=20'  
 DRAWN BY: AP

Kimley-Horn and Associates, Inc.  
 Engineering, Planning, and Environmental Consultants  
 2080 E. Flamingo Road, Suite 210, Las Vegas, NV 89119  
 PH: (702) 738-4949 FAX: (702) 738-4949

DEPARTMENT OF PUBLIC WORKS  
 BONNEVILLE/CLARK ONEWAY COUPLLET PHASE 1 IMPROVEMENT PLANS

TRAFFIC SIGNAL BONNEVILLE AVE AND CASINO CENTER BLVD

SHEET: 107VS201

BID# 09.1730.37 REV 3