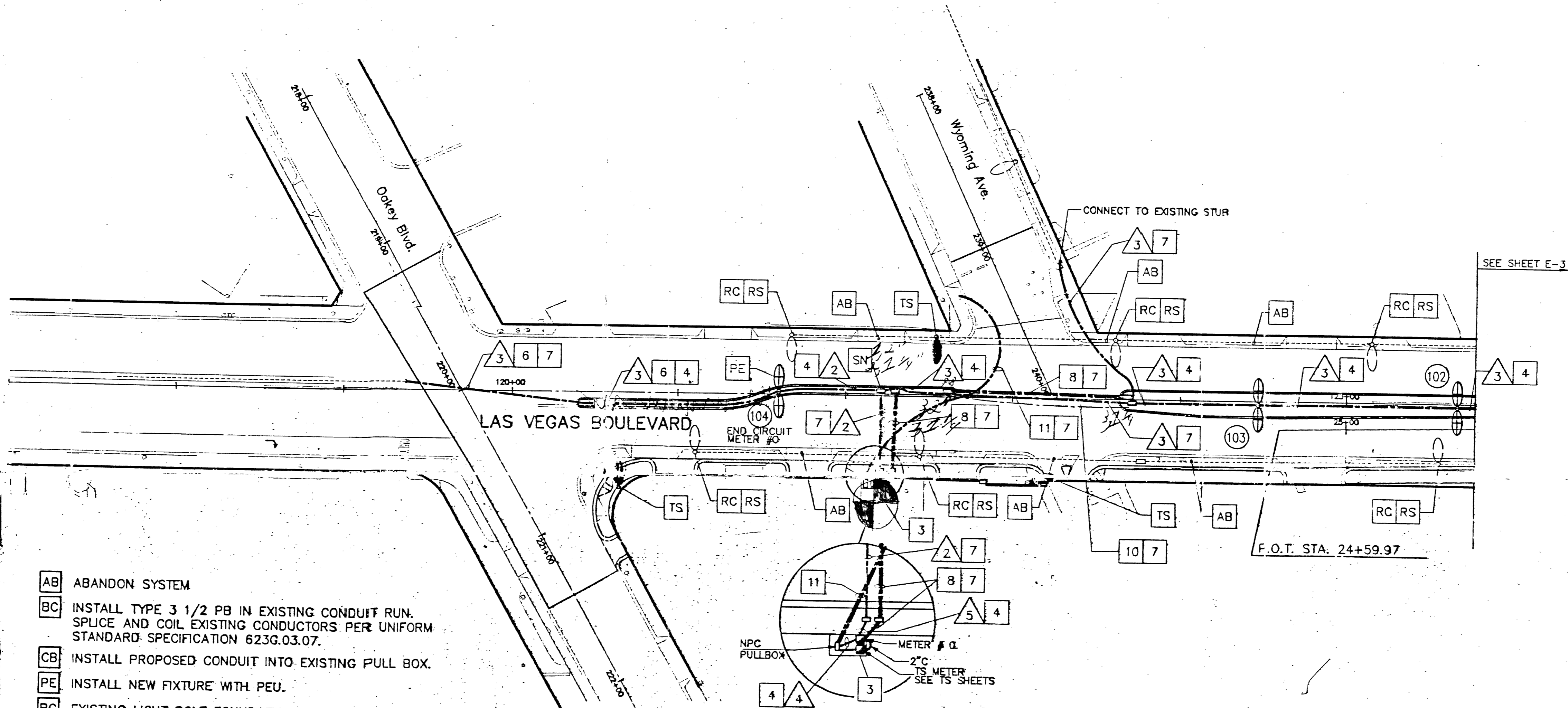


CONDUCTOR SCHEDULE									
CONDUCTOR TYPE	FUNCTION	1	2	3	4	5	6	7	8
#10 AWG	PHOTOELECTRIC CONTROL UNIT		3			6	3	3	
#8 AWG	OUTLET SERVICE (WHT & BLU)	2					2	6	
#8 AWG	NEUTRAL (GREEN)	1	1	1		2	1	3	
#4 AWG	ELECTRICAL SERVICE	2	2	2		4	2	6	
#3/0 AWG	ELECTRICAL SERVICE POINT CONNECTION				3				
PULLROPE	SPARE								1
	CONDUIT SIZE	1"	2"	1 1/4"	2"	2"	2"	2"	2"

SERVICE ENCLOSURE # 0 (PROPOSED)
 120/240V, SINGLE PHASE, THREE WIRE, SINGLE METER SERVICE
 200A, 240V, 2P MAIN CIRCUIT BREAKER

POSITION	BRANCH CIRCUIT BREAKER				ADDITIONAL COMPONENTS			STREET LIGHT LOAD (VA)	TREE PIT LIGHT LOAD (VA)	NEW ELEMENTS CONNECTED TO CIRCUIT
	CURRENT	VOLTAGE	# OF POLES	FUNCTION	CURRENT	# OF POLES	STATUS			
1	60A	240V	2	STREET LIGHTING	60A	2	NORMALLY OPEN	4992		95, 96, 97, 98, 99, 102, 103, 104
2	-	-	-	STREET LIGHTING	-	-	-	-	-	-
3	15A	120V	1	LIGHTING TEST SWITCH	-	-	-	-	-	ACTIVATES CONTACTOR FOR STREET LIGHTS.

ELECTRIC LOAD TABLE

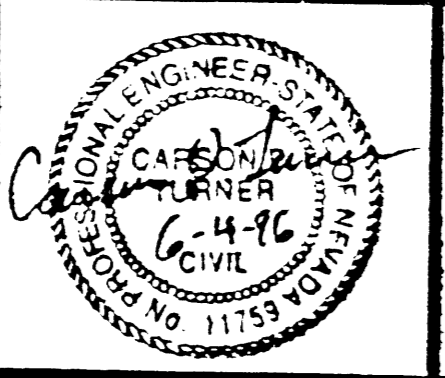


- AB ABANDON SYSTEM
- BC INSTALL TYPE 3 1/2 PB IN EXISTING CONDUIT RUN. SPLICE AND COIL EXISTING CONDUCTORS PER UNIFORM STANDARD SPECIFICATION 623G.03.07.
- CB INSTALL PROPOSED CONDUIT INTO EXISTING PULL BOX.
- PE INSTALL NEW FIXTURE WITH PEU.
- RC EXISTING LIGHT POLE FOUNDATION TO BE CUT A MINIMUM OF 18" BELOW GRADE AND THE ANCHOR BOLTS BURNED OFF AT THE SAME 18" DEPTH.
- RS REMOVE AND SALVAGE LIGHT POLE, MAST ARM, FIXTURE AND EXISTING CONDUCTORS TO CLV ELECTRIC YARD.
- SN SPLICE NEW CONDUCTORS.
- ST STUB AND CAP CONDUIT.
- TS TRAFFIC SIGNAL LUMINAIRE; NOT A PART OF STREET LIGHT CIRCUITS.

CONSTRUCTION NOTES

- 3 CIRCUIT # 0
 INSTALL 120V/240V, SINGLE PHASE, THREE WIRE, SINGLE METERED SERVICE WITH A 200A, 240V, 2P MAIN CB IN A PAD MOUNTED NEMA TYPE 3R ENCLOSURE (REFER TO UNIFORM STD. DWG. #328). PROVIDE THE FOLLOWING:
 - ONE 60A, 240V, 2P BRANCH CB FOR STREET LIGHTING.
 - ONE 15A, 120V, 1P BRANCH CB FOR EACH LIGHTING TEST SWITCH. (ONE TEST SWITCH PER CONTACTOR)
 - ONE 60A, 2P CONTACTOR FOR STREET LIGHTING.
 LIGHTING CONTACTORS FOR STREETLIGHTING SHALL BE TIED INTO NEW STREET LIGHTING PEU AT POLE 104. CONTRACTOR SHALL PROVIDE ALL LABOR AND EQUIPMENT NECESSARY FOR SERVICE CONNECTION INCLUDING CONDUIT AND CONDUCTORS UP TO TRANSFORMER. PROVIDE ADDITIONAL 2" CONDUIT STUB FROM CONTROLLER FOR FUTURE USE.
- 4 TRENCH CONDUIT IN SOIL.
- 6 INSTALL 1 1/4" C AND CONNECT TO EXISTING STREET LIGHT STUB SOUTH OF OAKLEY BLVD. DO NOT CONNECT CONDUCTORS AT EITHER END. (3PE ENDS)
- 7 TRENCH CONDUIT IN EXISTING PAVEMENT OR SIDEWALK.
- 8 INSTALL 2-2" & 1 1/4" PVC (SCH 40) CONDUIT WITH PULL ROPE AND # 3 1/2 PULLBOX AT EACH END. PLUG ENDS TO THE SATISFACTION OF THE ENGINEER.
- 10 INSTALL 2-4" PVC (SCH 40) IRRIGATION SLEEVES AND 2-2" PVC (SCH 40) ELECTRICAL SLEEVES WITH PULL ROPE. EXTEND SLEEVES MIN. 3' BEHIND CURB OR AS DIRECTED BY THE ENGINEER. TAPE ENDS AND STAKE LOCATION. SEE SLEEVE DETAIL, SHEET E-1.
- 11 INSTALL 4" NEVADA POWER CONDUIT WITH PULL ROPE AND PULLBOXES PER NEVADA POWER SPECIFICATIONS.

NO.	REVISIONS	DATE	BY
45758			



Kimley-Horn and Associates, Inc.
 Las Vegas, Nevada
 © 1996

DESIGNED BY RKS
 DRAWN BY CDR
 CHECKED BY [Signature]
 NOTE BOOK NO.



DOWNTOWN CORRIDOR IMPROVEMENTS
 CITY OF LAS VEGAS DEPT. OF PUBLIC WORKS
 LAS VEGAS, NEVADA
 CONTRACT 2 - 4TH STREET
 OAKLEY BLVD. TO CHARLESTON BLVD.

DATE 6/96
 SCALE 1"=40'

LIGHTING PLAN
 STA.24+59.97 TO STA.25+77
 107-V2288B

107-V2288B
 SHEET E-1