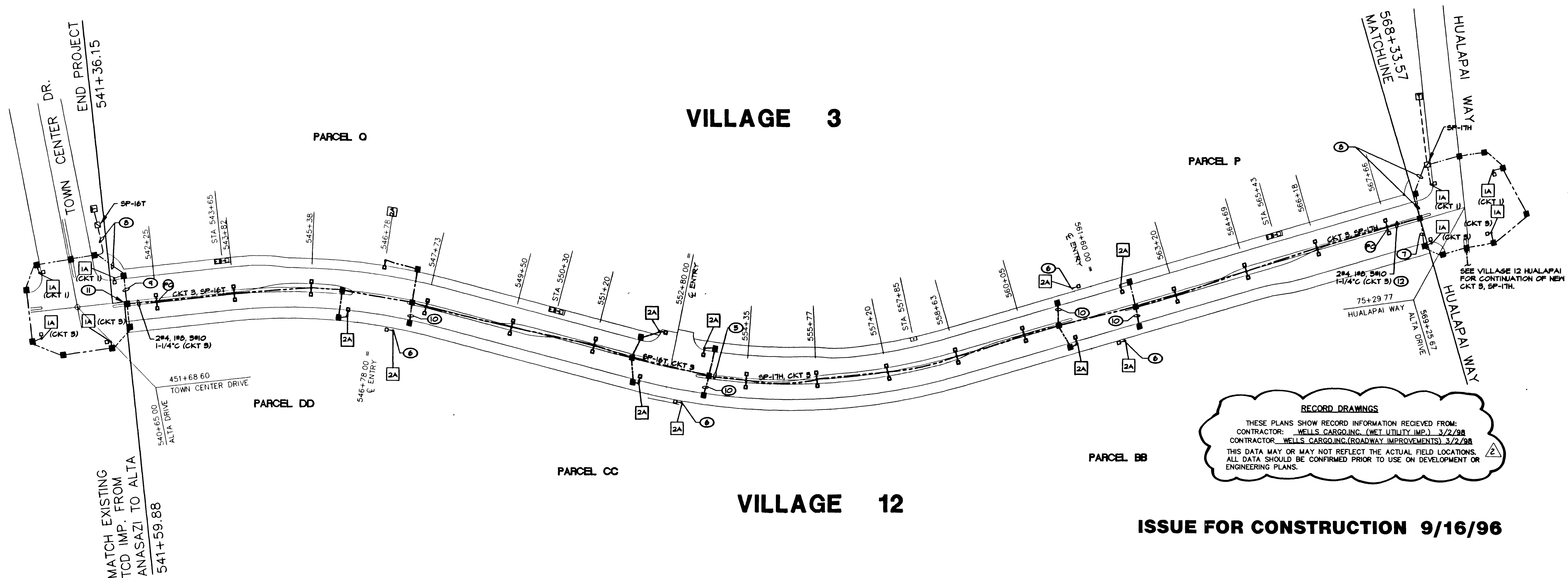




ELECTRICAL STREET LIGHTING PLAN

SCALE: 1"=100'-0"

STREET CLASSIFICATIONS:

ALTA DRIVE
HUALAPAI DRIVE
TOWN CENTER DRIVE
NEIGHBORHOOD ARTERIAL
VILLAGE ARTERIAL
VILLAGE ARTERIAL

GENERAL NOTE:

STREETLIGHT FIXTURES AND ARMS SHALL BE POWDER COATED BRONZE IN LIEU OF ANODIZED PICTURE AND PAINTED ARM AS SHOWN ON STANDARD DRAWINGS.

LEGEND

- TRANSFORMER
- METERED SERVICE PEDESTAL
- 1-1/4" CONDUIT WITH 2#4, 1#6 UNLESS NOTED OTHERWISE
- STREET LIGHT
- PULLBOX SIZE 8-1/2 UNLESS NOTED OTHERWISE
- CONSTRUCTION NOTE
- REVISION
- IRRIGATION CONTROLLER LOCATION
- PHOTOCELL MOUNTED ON LUMINAIRE WITH 3#10 FROM PHOTOCELL TO CONTRACTOR IN SERVICE PEDESTAL

APPROVALS

[Signature] 9-10-96
CITY ENGINEER - DENNIS ANDERSON DATE

[Signature] 8/5/96
SUMMIT DESIGN REVIEW COMMITTEE DATE

[Signature] 8-15-96
NEVADA POWER COMPANY DATE

TJ KROB CONSULTING ENGINEERS, INC.
1919 S. JONES BLVD. SUITE 3
LAS VEGAS, NEVADA 89102
(702) 871-3621
ELECTRICAL ENGINEERING

SHEET

E-1

SHT 16 OF 16

SERVICE PANEL SP-16T 1 PH, 3 WIRE 120/240 VOLTS 200 AMP MAIN CB MIN INTERRUPTING RATINGS 10,000 RMS 5TH AMPS LOCATION: ALTA/TCD NEVA 3R									
POLE SPACE	CIRCUIT USE	CKT BKR	CONNECTED	CKT BKR	CIRCUIT USE	POLE SPACE	CKT BKR	CONNECTED	CKT BKR
ckt #		RATINGS	LOAD VA	RATINGS		ckt #	RATINGS	LOAD VA	RATINGS
1	MAIN				MAIN	2			
3	MAIN				MAIN	4			
5	E-ALTA/TCD L-STREETLIGHTS	60/2	1830	15	E-L-PHOTOCELL, CKT 1	6	2		
7	X		1830	200	N-L-PHOTOCELL, CKT 3	8	4		
9	N-ALTA E OF TCD L-STREETLIGHTS	60/2	2120			10			
11	X		2120			12			
13						14			
15						16			
			4750	6100					
			4500	12200					

CONTRACTOR SCHEDULE

CONTRACTOR #	RATING	No. POLES	CKT #'S
E-C1	60	2	1

EXISTING SERVICE PEDESTAL *

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SERVICE PANEL SP-1TH 1 PH, 3 WIRE 120/240 VOLTS 200 AMP MAIN CB MIN INTERRUPTING RATINGS 10,000 RMS 5TH AMPS LOCATION: ALTA/HUALAPAI NEVA 3R									
POLE SPACE	CIRCUIT USE	CKT BKR	CONNECTED	CKT BKR	CIRCUIT USE	POLE SPACE	CKT BKR	CONNECTED	CKT BKR
ckt #		RATINGS	LOAD VA	RATINGS		ckt #	RATINGS	LOAD VA	RATINGS
1	MAIN				MAIN	2			
3	MAIN				MAIN	4			
5	E-HUALAPAI NO.	60/2	3030	20	E-L-PHOTOCELL, CKT 1	6	2		
7	X		3030	200	N-L-PHOTOCELL, CKT 3	8	4		
9	N-STREETLIGHTS	60/2	2810			10			
11	X		2810			12			
13						14			
15						16			
			6100	6100					
			12200						

CONTRACTOR SCHEDULE

CONTRACTOR #	RATING	No. POLES	CKT #'S
E-C1	60	2	1
N-C2	60	2	3

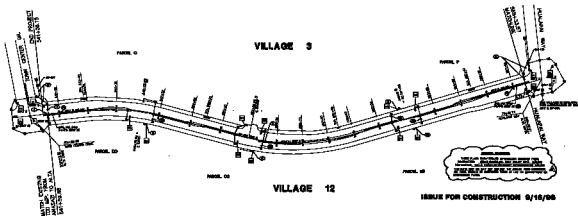
EXISTING SERVICE PEDESTAL *

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NOTES:

- ALL FIXTURES ARE 2B UNLESS NOTED OTHERWISE.
- ALL STREETLIGHT WIRING IS 2#4, 1#6, 1-1/4" UNLESS NOTED OTHERWISE. ALL WIRE IS THW.
- ALL PULLBOXES ARE NO. 8-1/2 UNLESS NOTED OTHERWISE.
- NOT USED.
- PROVIDE 2#4, 1#6, 1-1/4". DO NOT CONNECT WIRES AT EITHER END OF CONDUIT.
- THIS POLE AND LUMINAIRE ARE TO BE INSTALLED IN FUTURE AND ARE SHOWN FOR REFERENCE ONLY. PROVIDE WIRING, CONDUIT AND PULLBOXES AS SHOWN.
- DISCONNECT EXISTING WIRING FROM CIRCUIT 1, SP-1TH AND CONNECT TO NEW CIRCUIT 3. ADD 3#10 IN EXISTING CONDUIT FOR PHOTOCELL.
- ADD 2#4, 1#6, 3#10 IN EXISTING 1-1/4" CONDUIT FOR NEW CIRCUIT 3.
- DISCONNECT EXISTING WIRING FROM CIRCUIT 1, SP-16T AND CONNECT TO NEW CIRCUIT 3. ADD 3#10 IN EXISTING CONDUIT FOR PHOTOCELL.
- PROVIDE 1-1/4" CONDUIT WITH PULLSTRINGS.
- INTERCEPT EXISTING CONDUITS AND WIRING AND INSTALL NEW PULLBOX. RECONNECT EXISTING CIRCUIT AND ADD NEW CIRCUIT AS SHOWN.
- CONNECT TO EXISTING 1-1/4" CONDUIT FROM EXISTING PULLBOX (INSTALLED IN VILLAGE 3 CONTRACT).

* ADD NEW 8i-PASS SWITCH FOR NEW CIRCUIT.



NOTES:
 1. THIS DRAWING IS A PART OF THE PROJECT AND IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE PROJECT MANAGER.
 2. THE PROJECT MANAGER IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.

ISSUE FOR CONSTRUCTION 9/16/98

ELECTRICAL SYMBOLS LISTING PLAN

SYMBOL CLASSIFICATION

A: AIR
 B: BATTERY
 C: CABLE
 D: DRAIN
 E: ELECTRICAL
 F: FUEL
 G: GAS
 H: HEAT
 I: INSULATION
 J: JOINT
 K: KEY
 L: LIGHT
 M: MOTOR
 N: NOISE
 O: OIL
 P: PUMP
 Q: QUANTITY
 R: RADIATION
 S: SIGNAL
 T: TEMPERATURE
 U: ULTIMATE
 V: VENT
 W: WATER
 X: X-RAY
 Y: YIELD
 Z: ZONE

UNCLASSIFIED SYMBOL
 YELLOW SYMBOL
 YELLOW SYMBOL

GENERAL NOTE

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SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
1	1. AIR	1	1. AIR
2	2. BATTERY	2	2. BATTERY
3	3. CABLE	3	3. CABLE
4	4. DRAIN	4	4. DRAIN
5	5. ELECTRICAL	5	5. ELECTRICAL
6	6. FUEL	6	6. FUEL
7	7. GAS	7	7. GAS
8	8. HEAT	8	8. HEAT
9	9. INSULATION	9	9. INSULATION
10	10. JOINT	10	10. JOINT
11	11. KEY	11	11. KEY
12	12. LIGHT	12	12. LIGHT
13	13. MOTOR	13	13. MOTOR
14	14. NOISE	14	14. NOISE
15	15. OIL	15	15. OIL
16	16. PUMP	16	16. PUMP
17	17. QUANTITY	17	17. QUANTITY
18	18. RADIATION	18	18. RADIATION
19	19. SIGNAL	19	19. SIGNAL
20	20. TEMPERATURE	20	20. TEMPERATURE
21	21. ULTIMATE	21	21. ULTIMATE
22	22. VENT	22	22. VENT
23	23. WATER	23	23. WATER
24	24. X-RAY	24	24. X-RAY
25	25. YIELD	25	25. YIELD
26	26. ZONE	26	26. ZONE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
1	1. AIR	1	1. AIR
2	2. BATTERY	2	2. BATTERY
3	3. CABLE	3	3. CABLE
4	4. DRAIN	4	4. DRAIN
5	5. ELECTRICAL	5	5. ELECTRICAL
6	6. FUEL	6	6. FUEL
7	7. GAS	7	7. GAS
8	8. HEAT	8	8. HEAT
9	9. INSULATION	9	9. INSULATION
10	10. JOINT	10	10. JOINT
11	11. KEY	11	11. KEY
12	12. LIGHT	12	12. LIGHT
13	13. MOTOR	13	13. MOTOR
14	14. NOISE	14	14. NOISE
15	15. OIL	15	15. OIL
16	16. PUMP	16	16. PUMP
17	17. QUANTITY	17	17. QUANTITY
18	18. RADIATION	18	18. RADIATION
19	19. SIGNAL	19	19. SIGNAL
20	20. TEMPERATURE	20	20. TEMPERATURE
21	21. ULTIMATE	21	21. ULTIMATE
22	22. VENT	22	22. VENT
23	23. WATER	23	23. WATER
24	24. X-RAY	24	24. X-RAY
25	25. YIELD	25	25. YIELD
26	26. ZONE	26	26. ZONE

NOTES:

1. ALL SYMBOLS MUST BE USED IN ACCORDANCE WITH THE PROJECT MANUAL.
2. THE PROJECT MANAGER IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.
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APPROVALS

[Handwritten signatures and dates]
 9-16-98
 9-16-98

LEGEND

1. AIR
2. BATTERY
3. CABLE
4. DRAIN
5. ELECTRICAL
6. FUEL
7. GAS
8. HEAT
9. INSULATION
10. JOINT
11. KEY
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18. RADIATION
19. SIGNAL
20. TEMPERATURE
21. ULTIMATE
22. VENT
23. WATER
24. X-RAY
25. YIELD
26. ZONE

KROB
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