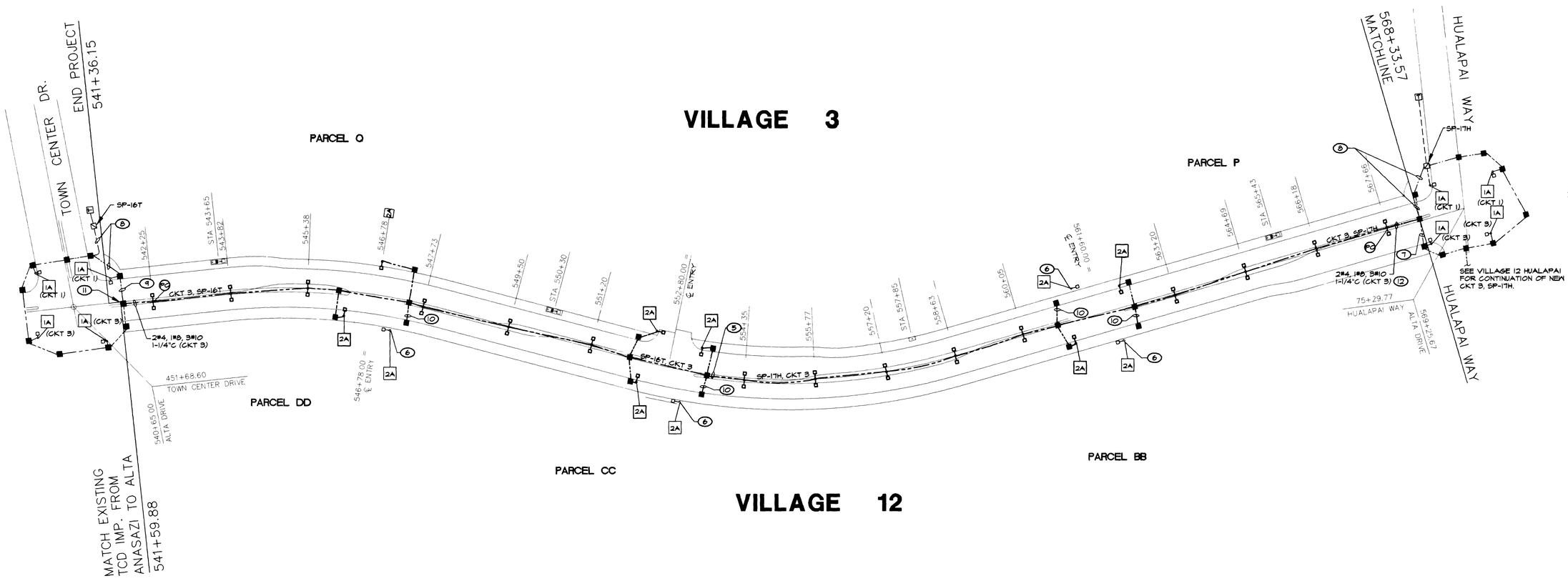


## ELECTRICAL STREET LIGHTING PLAN

SCALE: 1"=100'-0"

SERVICE PANEL SP-16T 1 PH, 3 WIRE 120/240 VOLTS 200 AMP MAIN CB
MIN INTERRUPTING RATING 10,000 RMS SYM AMPS LOCATION: ALTA/TCD NEMA 3R

L=LIGHTS, R=RECEPTACLES, M=MECHANICAL EQUIPMENT, N=NEM, SO=SPACE ONLY,
SC=SPARE CIRCUIT, E=EXISTING, MLO=MAIN LUGS ONLY, MCB=MAIN CIRCUIT BREAKERS

| POLE SPACE ckt # | # | CIRCUIT USE | CKT BKR RATING | CONNECTED LOAD VA A | B | CKT BKR RATING | CIRCUIT USE | POLE SPACE ckt # | # |
|---|---|---|---|---|---|---|---|---|---|
| | 1 | MAIN | | | ----- | | | | |
| | | | | | ----- | | MAIN | 2 | |
| | 3 | MAIN | | ----- | | | | | |
| | | E-ALTA/TCD | | ----- | | | MAIN | 4 | |
| 1 | 5 | L-STREETLIGHTS | 60/2 | 1830 | ----- | | | | |
| | | | | 200 | ----- | 15 | E-L-PHOTOCELL, CKT 1 | 6 | 2 |
| | 7 | X | X | ----- | 1830 | | | | |
| | | N-ALTA E. OF TCD | | ----- | 200 | 15 | N-L-PHOTOCELL, CKT 3 | 8 | 4 |
| 3 | 9 | L-STREETLIGHTS | 60/2 | 2120 | ----- | | | | |
| | | | | | ----- | | SO | 10 | |
| | 11 | X | X | ----- | 2120 | | | | |
| | | | | ----- | | | SO | 12 | |
| | 13 | | | | ----- | | | | |
| | | | | | ----- | | | 14 | |
| | 15 | | | ----- | | | | | |
| | | | | ----- | | | | 16 | |
| | | | | 4150 | 4750 | | | | |
| | | | | | 9500 | | | | |

CONTACTOR SCHEDULE

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

EXISTING SERVICE PEDESTAL *

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SERVICE PANEL SP-17H 1 PH, 3 WIRE 120/240 VOLTS 200 AMP MAIN CB
MIN INTERRUPTING RATING 10,000 RMS SYM AMPS LOCATION: ALTA/HUALAPAI NEMA 3R

L=LIGHTS, R=RECEPTACLES, M=MECHANICAL EQUIPMENT, N=NEM, SO=SPACE ONLY,
SC=SPARE CIRCUIT, E=EXISTING, MLO=MAIN LUGS ONLY, MCB=MAIN CIRCUIT BREAKERS

| POLE SPACE ckt # | # | CIRCUIT USE | CKT BKR RATING | CONNECTED LOAD VA A | B | CKT BKR RATING | CIRCUIT USE | POLE SPACE ckt # | # |
|---|---|---|---|---|---|---|---|---|---|
| | 1 | MAIN | | | ----- | | | | |
| | | | | | ----- | | MAIN | 2 | |
| | 3 | MAIN | | ----- | | | | | |
| | | E-STREETLIGHTS | | ----- | | | MAIN | 4 | |
| 1 | 5 | L-HUALAPAI NO. | 60/2 | 3030 | ----- | | | | |
| | | | | 200 | ----- | 20 | E-L-PHOTOCELL, CKT 1 | 6 | 2 |
| | 7 | X | X | ----- | 3030 | | | | |
| | | N-STREETLIGHTS | | ----- | 200 | 20 | N-L-PHOTOCELL, CKT 3 | 8 | 4 |
| 3 | 9 | L-ALTA DR. | 60/2 | 2810 | ----- | | | | |
| | | | | | ----- | | SO | 10 | |
| | 11 | X | X | ----- | 2810 | | | | |
| | | | | ----- | | | SO | 12 | |
| | 13 | | | | ----- | | | | |
| | | | | | ----- | | | 14 | |
| | 15 | | | ----- | | | | | |
| | | | | ----- | | | | 16 | |
| | | | | 6100 | 6100 | | | | |
| | | | | | 12200 | | | | |

CONTACTOR SCHEDULE

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

EXISTING SERVICE PEDESTAL *

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## STREET CLASSIFICATIONS:

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

## GENERAL NOTE:

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

## NOTES:

1. ALL FIXTURES ARE 2B UNLESS NOTED OTHERWISE.
2. ALL STREETLIGHT WIRING IS 2#4, 1#8, 1-1/4"C UNLESS NOTED OTHERWISE. ALL WIRE IS THW.
3. ALL PULLBOXES ARE NO. 3-1/2 UNLESS NOTED OTHERWISE.
4. NOT USED.
5. PROVIDE 2#4, 1#8, 1-1/4"C. DO NOT CONNECT WIRES AT EITHER END OF CONDUIT.
6. THIS POLE AND LUMINAIRE ARE TO BE INSTALLED IN FUTURE AND ARE SHOWN FOR REFERENCE ONLY. PROVIDE WIRING, CONDUIT AND PULLBOXES AS SHOWN.
7. DISCONNECT EXISTING WIRING FROM CIRCUIT 1, SP-17H AND CONNECT TO NEW CIRCUIT 3. ADD 3#10 IN EXISTING CONDUIT FOR PHOTOCELL.
8. ADD 2#4, 1#8, 3#10 IN EXISTING 1-1/4"C.O. FOR NEW CIRCUIT 3.
9. DISCONNECT EXISTING WIRING FROM CIRCUIT 1, SP-16T AND CONNECT TO NEW CIRCUIT 3. ADD 3#10 IN EXISTING CONDUIT FOR PHOTOCELL.
10. PROVIDE 1-1/4"C.O. WITH PULLSTRING.
11. INTERCEPT EXISTING CONDUITS AND WIRING AND INSTALL NEW PULLBOX. RECONNECT EXISTING CIRCUIT AND ADD NEW CIRCUIT AS SHOWN.
12. CONNECT TO EXISTING 1-1/4"C.O. STUB FROM EXISTING PULLBOX (INSTALLED IN VILLAGE 3 CONTRACT).

* ADD NEW BI-PASS SWITCH FOR NEW CIRCUIT.

## APPROVALS

| | |
|---|---|
| CITY ENGINEER - DENNIS ANDERSON | 9-10-96 DATE |
| SUMMERLIN DESIGN REVIEW COMMITTEE | 8/5/96 DATE |
| NEVADA POWER COMPANY | 8-15-96 DATE |

## LEGEND

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

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

| REV. | DATE | DESCRIPTION | APPROVAL DATE |
|---|---|---|---|
| | | | |

RECORD DRAWING — CHARLES SIMS OF NEVADA — REGISTERED PROFESSIONAL ENGINEER — ELECTRICAL — RPE NO. — DATE 7-31-96

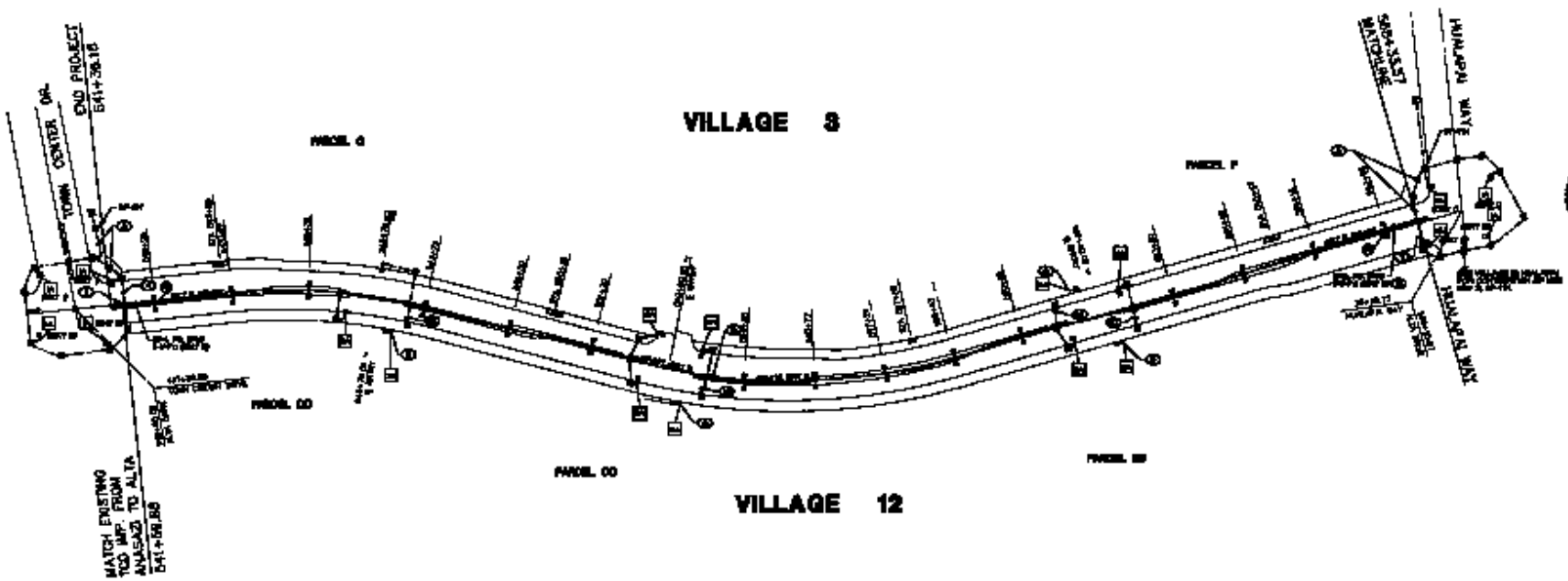
G.C. WALLACE, INC.
Engineering/Architecture 1555 SOUTH RAINBOW BLVD/LAS VEGAS, NEVADA 89102

SUMMERLIN
VILLAGE 3
ALTA DRIVE
ELECTRICAL STREET LIGHTING PLAN

SHEET E-1
SHT 16 OF 16

107-V2509

567/SITE 7-12-96
- 30-2-40




ELECTRICAL STREET LIGHTING PLAN

STREET CLASSIFICATIONS

GENERAL NOTES

NOTES

LEGEND

APPROVALS

KROB

SHEET E-1

ELECTRICAL STREET LIGHTING PLAN