

SERVICE PEDESTAL CIRCUIT CAPACITY VERIFICATION

CIRCUIT NAME:		SP1 (A)	SP1 (B)	SP2 (A)	SP2 (B)	SP2 (C)
CIRCUIT TYPE:		STREET LIGHTING (EXISTING)	STREET LIGHTING (EXISTING)	STREET LIGHTING (PROPOSED)	STREET LIGHTING (PROPOSED)	INTERSECTION LIGHTING (PROPOSED)
VOLTAGE:		240	240	240	240	120
CIRCUIT CAPACITY:		60	60	60	60	40
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF CIRCUIT CAPACITY:		48	48	48	48	32
EXISTING CIRCUIT LOAD AMPS =		4.50	9.75	0.00	0.00	0.00
PROPOSED LOAD TO CIRCUIT:		PROPOSED	PROPOSED	PROPOSED	PROPOSED	PROPOSED
100 WATT SINGLE LUMINAIRES AT 240V = 0.50 AMPS		QTY. AMPS	QTY. AMPS	QTY. AMPS	QTY. AMPS	QTY. AMPS
150 WATT SINGLE LUMINAIRES AT 240V = 0.75 AMPS		0 0.00	0 0.00	0 0.00	0 0.00	0 0.00
150 WATT TWIN LUMINAIRES AT 240V = 1.50 AMPS		8 6.00	0 0.00	0 0.00	0 0.00	0 0.00
400 WATT SINGLE LUMINAIRES AT 120V = 4.00 AMPS		0 0.00	0 0.00	7 10.50	0 0.00	0 0.00
TOTAL PROPOSED LOAD AMPS =		6.00	0.00	0.00	0.00	0.00
EXISTING PLUS PROPOSED LOAD AMPS =		10.50	9.75	10.50	0.00	0.00
REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =		37.50	38.25	37.50	48.00	32.00
FUTURE LOAD TO CIRCUIT:		FUTURE	FUTURE	FUTURE	FUTURE	FUTURE
100 WATT SINGLE LUMINAIRES AT 240V = 0.50 AMPS		QTY. AMPS	QTY. AMPS	QTY. AMPS	QTY. AMPS	QTY. AMPS
150 WATT SINGLE LUMINAIRES AT 240V = 0.75 AMPS		0 0.00	0 0.00	0 0.00	0 0.00	0 0.00
150 WATT TWIN LUMINAIRES AT 240V = 1.50 AMPS		0 0.00	3 2.25	0 0.00	1 0.75	0 0.00
400 WATT SINGLE LUMINAIRES AT 120V = 4.00 AMPS		0 0.00	0 0.00	0 0.00	6 9.00	0 0.00
TOTAL FUTURE LOAD AMPS =		0.00	2.25	0.00	9.75	0.00
EXISTING PLUS PROPOSED PLUS FUTURE LOAD AMPS =		10.50	12.0	10.50	9.75	16.00
FUTURE REMAINING AVAILABLE LOAD AMPS: MAX. - EX. - PR. - FUT. =		37.50	36.00	37.50	38.25	16.00

ELECTRICAL SERVICE NOTES

SP1: EXISTING 200 AMP SERVICE PEDESTAL. REFER TO SUMMERLIN VILLAGE 24 CROSSBRIDGE DRIVE UNIT 2 IMPROVEMENTS FOR ADDITIONAL INFORMATION INCLUDING EXISTING CONNECTED LOADS.

SP2: 200 AMP, SINGLE PHASE, 3 WIRE, 120/240V PAD MOUNTED SERVICE PEDESTAL. FEEDERS FROM NV ENERGY POINT OF CONNECTION TO BE 2" C, 2#3/0 THW, 1#3/0 WHITE THW (COPPER). TRANSFORMER TO SERVICE PEDESTAL DISTANCES GREATER THAN 195' FOR SPECIFIED CONDUCTORS MUST BE APPROVED BY ENGINEER. SERVICE PEDESTALS SHALL BE LOCATED A MINIMUM OF 30 FEET FROM THE TRANSFORMER.

THE FOLLOWING SHALL BE INCLUDED IN THIS SERVICE PEDESTAL:

(2) 60 AMP, 240V, 2-POLE CIRCUIT BREAKERS.

(2) 60 AMP, 240V, 2-POLE LIGHTING CONTACTORS.

(2) TEST SWITCHES (ONE FOR EACH CONTACTOR).

(2) 60 AMP, 120V, 1-POLE CIRCUIT BREAKERS.

PHOTOELECTRIC CONTROL.

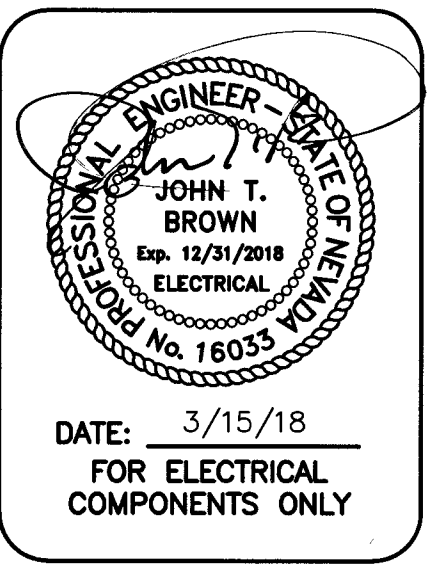
(1) 15 AMP, 120V, SINGLE POLE CIRCUIT BREAKER.

SP3: 200 AMP, SINGLE PHASE, 3 WIRE, 120/240V PAD MOUNTED SERVICE PEDESTAL BY OTHERS. [HOA METER]

CONTRACTOR TO PROVIDE (2) 2" CONDUITS FROM EACH SERVICE PEDESTAL TO FIRST STREET LIGHTING PULLBOX. SERVICE PEDESTALS SHALL COMPLY WITH CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS 331, 332.S2, 335.S2 AND 730.

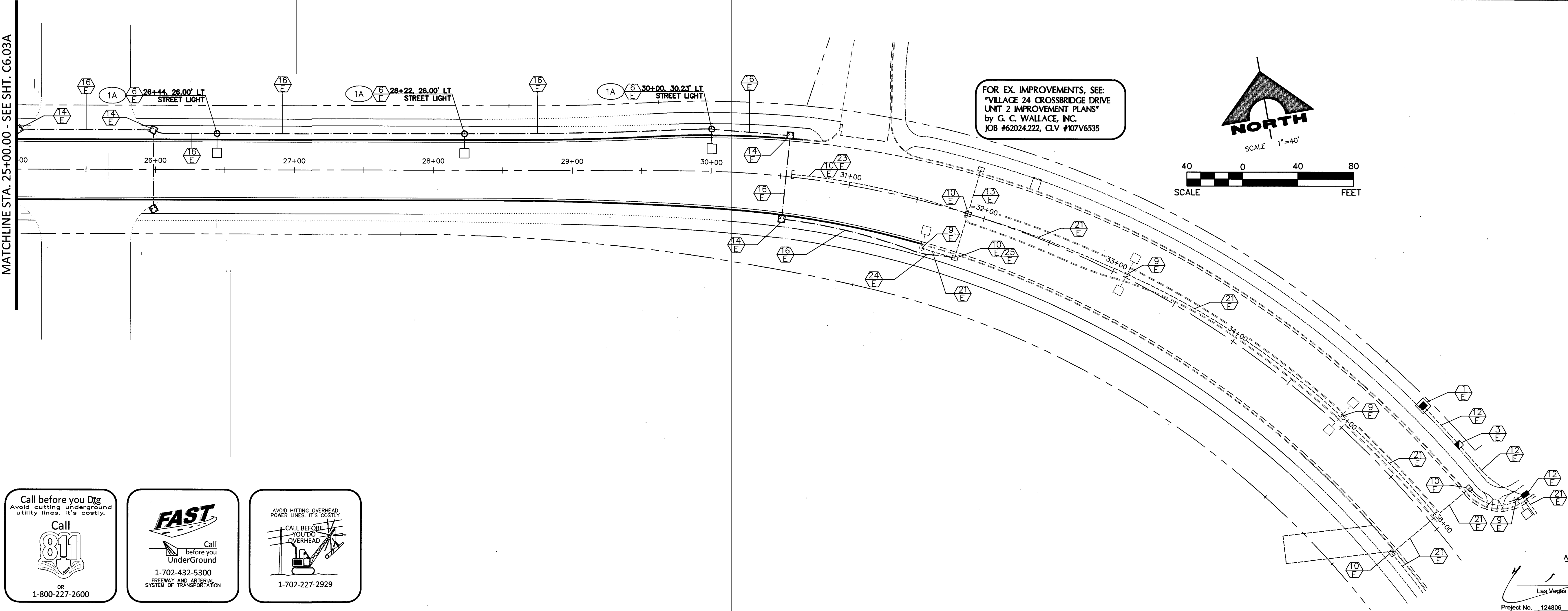
GENERAL ELECTRICAL NOTES

- ALL UNDERGROUND CONDUIT SHALL BE TYPE RNC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER USD 404.1419. ABOVE GRADE CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT). ALL CONDUIT WHICH WOULD OTHERWISE BE EMPTY SHALL INCLUDE A NYLON PULL STRING AND 1#8 CONDUCTOR FOR LOCATING PURPOSES.
- ALL CONDUCTORS SHALL BE STRANDED, 600-VOLT, TYPE THW INSULATED COPPER.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL COMPONENTS AND HARDWARE AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, LATEST EDITION AND SHALL COMPLY WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY HAVING JURISDICTION.



ELECTRICAL CONSTRUCTION NOTES

- EXISTING NVE TRANSFORMER.
- PROPOSED NVE TRANSFORMER.
- EXISTING SP1. REFER TO ELECTRICAL SERVICE NOTES.
- PROPOSED SP2. REFER TO ELECTRICAL SERVICE NOTES.
- PROPOSED SP3 [HOA METER] BY OTHERS. REFER TO ELECTRICAL SERVICE NOTES.
- PROPOSED TYPE 2B SINGLE LUMINAIRE PER SSD E-1.
- PROPOSED TYPE 2B TWIN LUMINAIRE PER SSD E-1.
- PROPOSED TYPE 2A MOD 1 LUMINAIRE WITH PROVISION FOR FUTURE TRAFFIC SIGNAL MAST ARM PER SSD E-1.
- EXISTING STREET LIGHT.
- EXISTING NO. 3-1/2 PULLBOX.
- EXISTING NO. 5 PULLBOX.
- EXISTING CONDUIT AND CONDUCTOR.
- EXISTING CONDUIT ONLY.
- PROPOSED NO. 3-1/2 PULLBOX PER USD 705.
- PROPOSED NO. 5 PULLBOX PER USD 706.
- PROPOSED 1-1/4" CONDUIT CONTAINING 2#4, 1#8 GND [STREET LIGHTING].
- PROPOSED 1-1/4" CONDUIT ONLY [STREET LIGHTING].
- PROPOSED CONDUIT PER ELECTRICAL SERVICE NOTES (SP2).
- PROPOSED (5) 3" CONDUIT ONLY [INTERSECTION LUMINAIRES AND TRAFFIC SIGNAL].
- PROPOSED (2) 2" CONDUIT WITH 2#4, 1#8 GND IN (1) OF (2).
- EXISTING 1-1/4" CONDUIT CONTAINING 2#4, 1#8 GND [STREET LIGHTING].
- FUTURE CONDUITS.
- ABANDON IN PLACE.
- RESTORE IMPROVED AREAS TO EXISTING CONDITIONS.
- CONNECT TO EXISTING STREET LIGHT CIRCUIT SP1-A.
- FUTURE STREET OR INTERSECTION LIGHT.
- FUTURE PULLBOX.



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APPROVED FOR CONSTRUCTION

[Signature]

Las Vegas Valley Water District Engineering Services

Project No. 124806 First Approved Date: 4/2/18

THE HOWARD HUGHES COMPANY, LLC

VILLAGE 24 CROSSBRIDGE DRIVE

STREET LIGHTING PLAN 2

PROJECT NO. 62024-224

DESIGN: [Blank]

DRAWN: [Blank]

CHECK: [Blank]

PLOT DATE: 03-15-18

DATE: 3/21/18

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gowerengineering.com

ENGINEERS & SURVEYORS

DRAWING C6.04A

22 OF 26 SHEETS

PROJ: 124806 AGR: 118009 QS: 137-33-NE XC: 11339