

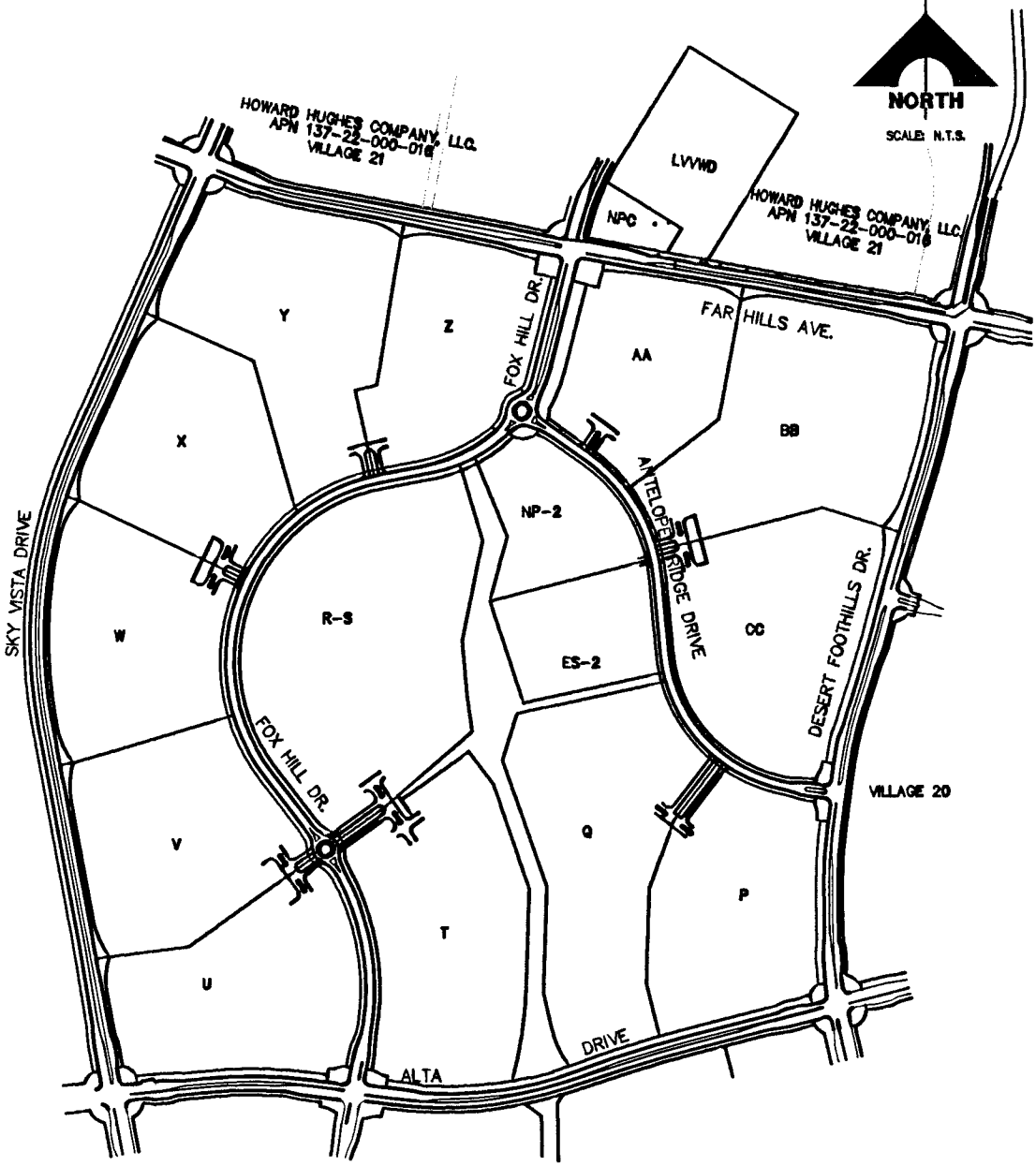
SPDFD1, SPFHD1, SPSVD1: SERVICE PEDESTAL CIRCUIT CAPACITY VERIFICATION

CIRCUIT NAME	SPDFD1(A)		SPDFD1(B)		SPDFD1(C)		SPFHD1(A)		SPFHD1(B)		SPFHD1(C)	
CIRCUIT TYPE	STREET LIGHTING (EXISTING)		STREET LIGHTING (EXISTING)		INTERSECTION LIGHTING (EXISTING)		STREET LIGHTING (PROPOSED)		STREET LIGHTING (PROPOSED)		INTERSECTION LIGHTING (PROPOSED)	
VOLTAGE:	240		240		120		240		240		120	
CIRCUIT CAPACITY:	60		60		40		60		60		40	
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF CIRCUIT CAPACITY:	48		48		32		48		48		32	
EXISTING CIRCUIT LOAD AMPS =	1.50		3.00		16.00		0.00		0.00		0.00	
PROPOSED LOAD TO CIRCUIT:	PROPOSED		PROPOSED		PROPOSED		PROPOSED		PROPOSED		PROPOSED	
150 WATT SINGLE LUMINAIRES AT 240V = 0.75 AMPS	QTY.	AMPS	QTY.	AMPS	QTY.	AMPS	QTY.	AMPS	QTY.	AMPS	QTY.	AMPS
150 WATT TWIN LUMINAIRES AT 240V = 1.50 AMPS	3	2.25	0	0.00	0	0.00	3	2.25	3	2.25	0	0.00
250 WATT SINGLE LUMINAIRES AT 240V = 1.25 AMPS	4	6.00	0	0.00	0	0.00	5	7.50	8	12.00	0	0.00
400 WATT SINGLE LUMINAIRES AT 120V = 4.00 AMPS (SEE NOTE BELOW)	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
TOTAL PROPOSED LOAD AMPS =	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	3	12.00
EXISTING PLUS PROPOSED LOAD AMPS =	8.25	0.00	3.00	0.00	16.00	0.00	9.75	14.25	14.25	12.00	12.00	0.00
REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =	38.25	42.00	16.00	38.25	33.75	20.00						

NOTE: INTERSECTION LUMINAIRES WILL BE INSTALLED AT 250W, BUT WILL BE UPGRADED TO 400W WHEN INTERSECTION IS SIGNALIZED.

ELECTRICAL NOTES

1. 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). CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP.
2. ALL CONDUIT WHICH WOULD OTHERWISE BE EMPTY SHALL INCLUDE A NYLON PULLSTRING AND 1/8" FOR LOCATING PURPOSES.
3. ALL CONDUCTORS SHALL BE STRANDED, 600-VOLT, TYPE THW INSULATED COPPER.
4. 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.



PROJECT LOCATION/SHEET INDEX MAP

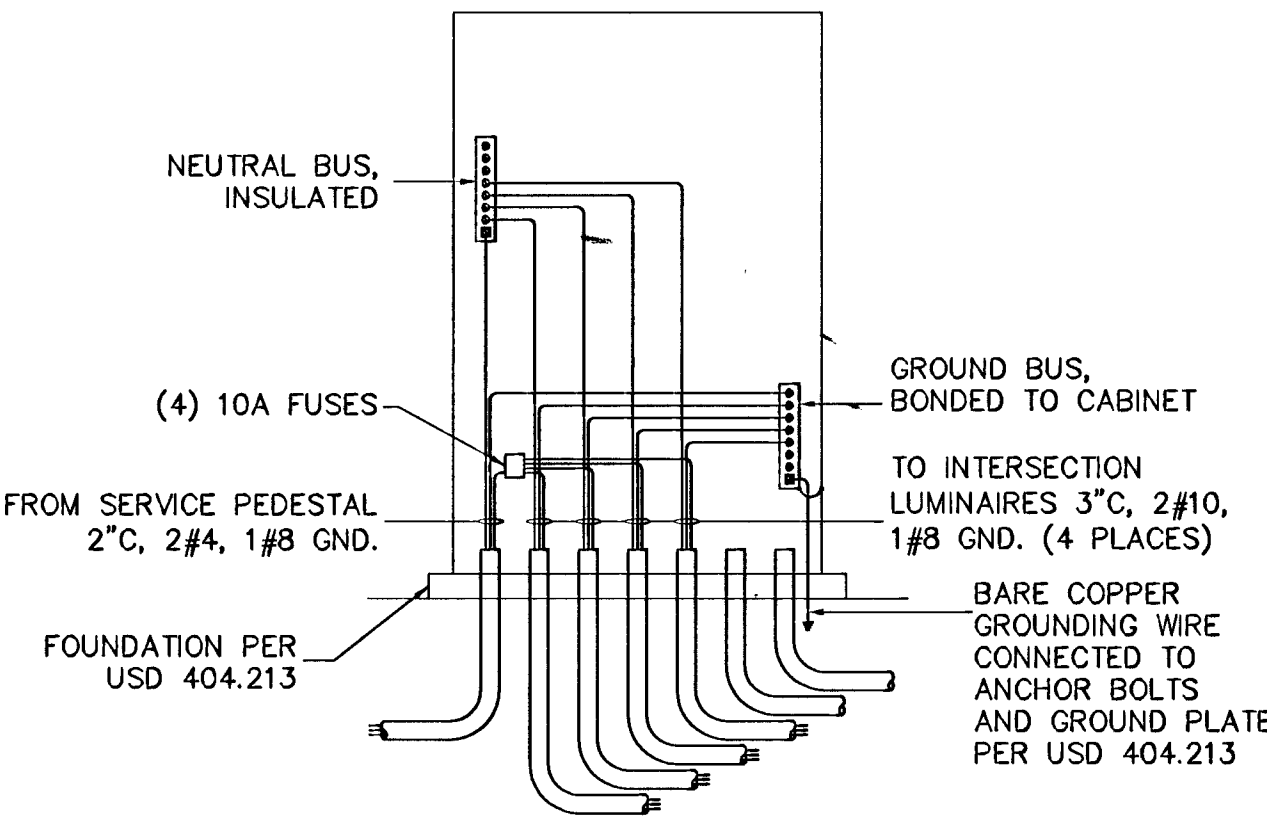
ELECTRICAL SERVICE NOTES:

SPDFD1: EXISTING 200 AMP SERVICE PEDESTAL. REFER TO SUMMERLIN VILLAGE 23B DESERT FOOTHILLS DRIVE IMPROVEMENTS AND VILLAGE 23A/23B ALTA DRIVE IMPROVEMENTS FOR ADDITIONAL INFORMATION INCLUDING EXISTING CONNECTED LOADS.

SPFHD1: 200 AMP, SINGLE PHASE, 3 WIRE, 120/240V PAD MOUNTED SERVICE PEDESTAL. FEEDER FROM N.P.CO. POINT OF CONNECTION TO BE 2" C, 2#3/0 THW, 1#3/0 WHITE THW (COPPER). SERVICE PEDESTAL SHALL BE LOCATED A MINIMUM OF 30 FEET FROM THE TRANSFORMER. THE FOLLOWING SHALL BE INCLUDED IN THE 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), PHOTOELECTRIC CONTROL,
- (1) 15 AMP, 120V, SINGLE POLE CIRCUIT BREAKER FOR LIGHTING CONTROLS,
- (1) 40 AMP, 120V, SINGLE POLE CIRCUIT BREAKER FOR INTERSECTION LUMINAIRES,
- (1) 60 AMP, 120V, SINGLE POLE CIRCUIT BREAKER FOR TRAFFIC SIGNAL CONTROLLER.

CONTRACTOR TO PROVIDE (2) 1-1/4" CONDUITS FROM SERVICE PEDESTAL TO FIRST STREET LIGHTING PULLBOX AND (1) 2" CONDUIT AS SHOWN FOR TRAFFIC SIGNAL CONTROLLER AND INTERSECTION LUMINAIRE BRANCH CIRCUITS. SERVICE PEDESTAL SHALL COMPLY WITH CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS 330, 331, 332.1 AND 335.1.

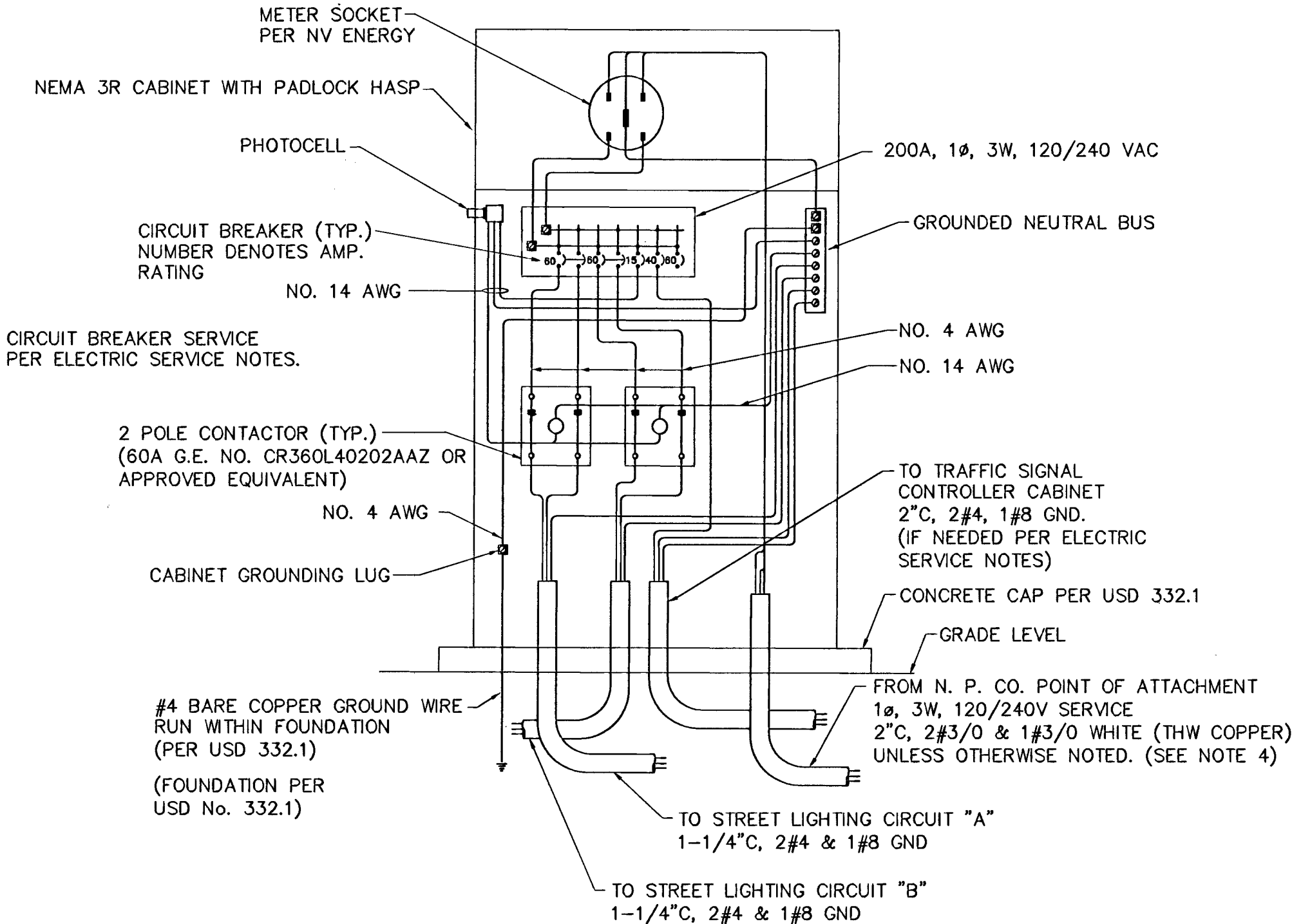


- NOTES:
1. INSTALL PER CLARK COUNTY AREA UNIFORM STANDARD DRAWING NUMBER 404.307.
 2. ALL BUSSING SHALL BE COPPER.
 3. ALL CONDUCTORS SHALL BE STRANDED 600V THW INSULATED COPPER.

TRAFFIC SIGNAL CONTROLLER CABINET

NOT TO SCALE

1
26

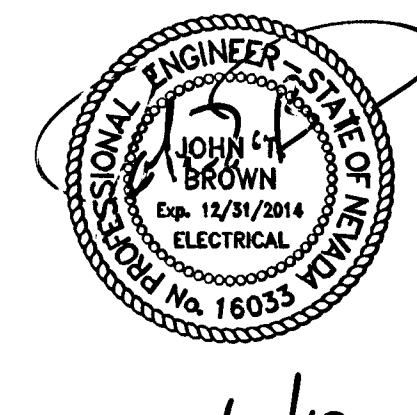


- NOTES:
1. MANUFACTURER'S CATALOG NUMBERS ARE SHOWN TO ESTABLISH A DEGREE OF QUALITY AND PERFORMANCE, APPROVED AS EQUIVALENT ARE ACCEPTABLE.
 2. ALL CONDUCTORS AND BUSSING TO BE COPPER.
 3. INSTALL PER CLARK COUNTY AREA, UNIFORM STANDARD DRAWING NUMBER 330, 331, 332.1, 335.1.
 4. TRANSFORMER TO SERVICE PEDESTAL DISTANCES GREATER THAN 195' FOR SPECIFIED CONDUCTORS MUST BE APPROVED BY ENGINEER.
 5. ALL CONDUCTOR SHALL BE STRANDED 600V THW INSULATED COPPER.

ICLVI 200A PAD MOUNTED SERVICE POINT FOR TRAFFIC SIGNAL AND STREET LIGHTING

NOT TO SCALE

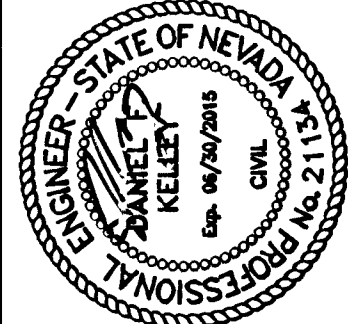
2
26



DATE: 9/12/13

FOR ELECTRICAL COMPONENTS ONLY

14 50132
107V 6128



PROJECT NO.	DATE	REVISION
620238-205	09-17-13	
DESIGN: DFK		
DRAWN: HUF		
CHECK: JJJ		
DATE: 09-17-13		
TIME: 11:57:22		

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F:\Projects\600\620238-205\Draws\Production\205-S726-S726-S726.dwg
Daniel Kelley

THE HOWARD HUGHES COMPANY
FAR HILLS AVENUE IMPROVEMENTS - PHASE 1
DESERT FOOTHILLS DRIVE TO FOX HILL DRIVE
STREET LIGHT, CONDUIT AND ELECTRICAL NOTES AND DETAILS

DRAWING
SL3
29 OF 29 SHTS