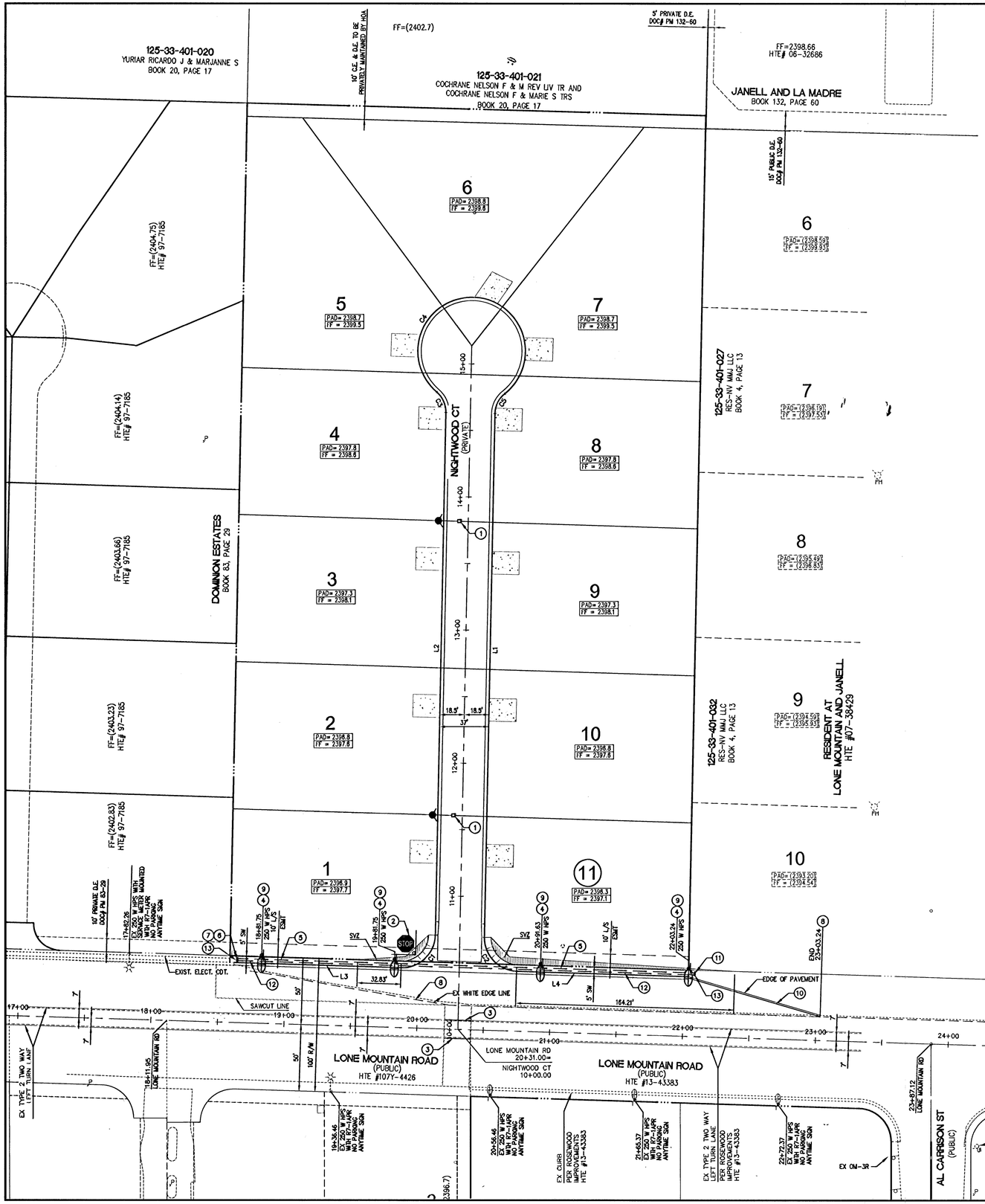


STREETLIGHT CIRCUIT CAPACITY
SERVICE PEDESTAL 1 CIRCUIT "A"

IS THERE AN EXISTING SERVICE PEDESTAL IN THE FIELD (NOT PROPOSED) ADJACENT TO THIS PROPERTY THAT MIGHT BE ABLE TO BE USED TO POWER THIS PROJECT'S STREETLIGHTS? (CIRCLE)	YES	CONTACT CLARK COUNTY TRAFFIC OPERATIONS AT 455-6000 TO PERFORM CIRCUIT CAPACITY VERIFICATION.
	NO	INSTALL A NEW PEDESTAL.
SERVICE LOCATION: 8308 LONE MOUNTAIN RD	EXISTING METER #: CC 027812076	

CLARK COUNTY - (COMPLETE IF EXISTING SERVICE)

DATE OF CAPACITY VERIFICATION	FEBRUARY 12, 2014
PERSON WHO DID THE VERIFICATION	DANNY WRIGHT

ENGINEER OF THE OFFSITE PLANS

PERSON WHO DID THE CALCULATIONS:	HAO NGUYEN
CONSULTING ENGINEERING FIRM:	G.C. WALLACE COMPANIES

CAPACITY CALCULATIONS

1		CIRCUIT CAPACITY:	80.0	AMPS
2		MAXIMUM CONTINUOUS CURRENT DRAW (80%)	48.0	AMPS
3		EXISTING CIRCUIT LOAD (ENTER 0 IF NEW)	5.0	AMPS
4		AVAILABLE (2 MINUS 3)	43.0	AMPS
		PROPOSED LUMINAIRE LOAD TO CIRCUIT:		
5	0	NUMBER OF 100 WATT STLTS @ 1.0 AMPS/EA	0	AMPS
6	4	NUMBER OF 250 WATT STLTS @ 1.0 AMPS/EA	8.0	AMPS
7		TOTAL PROPOSED ADDITIONAL LOAD (5 + 6)	8.0	AMPS
		REMAINING AVAILABLE LOAD (4 MINUS 7)	37.0	AMPS

NOTE:

BLOCK WALL AND WROUGHT IRON FENCE IN SVZ (SIGHT VISIBILITY ZONE) ARE OF MAXIMUM 2.0' HEIGHT.

ACCESS CONTROL GATES ARE NOT APPROVED OR PERMITTED FOR THIS PLAN

ANY FUTURE GATES MUST COMPLY WITH STANDARD DRAWING 222.1. PROVIDE A MINIMUM 48' WIDTH MEASURED LIP OF GUTTER TO LIP OF GUTTER WITH ON SITE TURNAROUND AND MEDIAN ISLAND LENGTH TO BE DETERMINED BY A QUEUING ANALYSIS TO BE SUBMITTED AND APPROVED BY CCPWOR AND WILL REQUIRED A REVISION TO THESE PLANS.

FIRE DEPARTMENT NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE 2005 CLARK COUNTY FIRE CODE, AND THE 2002 EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION PAMPHLET #24
2. ON ANY BUILDING CONSTRUCTION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE MATERIALS ARE DELIVERED TO THE SITE AND CONSTRUCTION COMMENCES. SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH THE REQUIRED WATER SUPPLY.
3. IF DURING CONSTRUCTION IT BECOMES NECESSARY TO CLOSE ANY CONTROL VALVE OR PLACE A HYDRANT OUT OF SERVICE, THE CLARK COUNTY FIRE DEPARTMENT MUST BE CONTACTED.
4. PAINTING OF CURBS AND/OR STRIPING OF ASPHALT AREAS AND PROTECTION OF HYDRANTS FROM PHYSICAL INJURY SHALL BE PER THE FIRE HYDRANT INSTALLATION SPECIFICATIONS OF THE FIRE PREVENTION BUREAU.
5. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE, OR 5 FEET OF A DRIVEWAY, POWER POLE, LIGHT STANDARD, OR ANY OTHER OBSTRUCTION. FOR WALL, FENCE AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT MEASURING A MINIMUM OF 3 FEET FROM ITS EXTERIOR SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTION AT ALL TIMES.
6. AT ALL TIMES DURING CONSTRUCTION SUITABLE EMERGENCY VEHICLE ACCESS ROAD MUST BE MAINTAINED. ROADWAYS MUST BE SMOOTH, COMPACTED AND CAPABLE OF SUPPORTING THE IMPOSED LOADS OF ALL EMERGENCY VEHICLES.
7. PRIOR TO ACCEPTANCE OF ANY FIRE SERVICE MAIN, A SATISFACTORY HYDROSTATIC TEST WITH PIPING JOINTS UNCOVERED MUST BE CONDUCTED. APPROVED PLANS AND A CONTRACTOR'S MATERIALS AND TEST CERTIFICATE MUST BE PROVIDED AT TIME OF INSPECTION.
8. BLUE REFLECTIVE MARKERS MUST BE INSTALLED BEFORE FINAL HYDRANT ACCEPTANCE CAN BE ATTAINED [2005 CLARK COUNTY FIRE CODE, SEC. 901.4.3].
9. APPROVED FIRE HYDRANTS FOR THIS PROJECT ARE:
   A. KENNEDY - GUARDIAN MODELS K81A AND K81D
   B. MUELLER - SUPER CENTURION 250 MODEL A-423
   C. CLOW - MEDALLION MODEL F-2546LVD
   D. TROY VALVE - PATRIOT MODEL PT810ON NEVADA HYDRANT

LINE TABLE

LINE	LENGTH	BEARING
L1	393.50'	N1° 08' 59.44"E
L2	392.60'	N1° 08' 59.44"E
L3	125.72'	N88° 15' 26.00"W
L4	129.42'	N88° 15' 26.00"W

CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
C1	25.00'	39.53'	090°35'35"
C2	25.00'	39.01'	089°24'25"
C3	19.50'	17.28'	050°42'13"
C4	40.50'	198.91'	281°24'25"
C5	19.50'	17.28'	050°42'13"

CONSTRUCTION NOTES

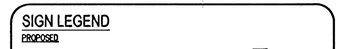
TRAFFIC

1. INSTALL BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKERS.
2. INSTALL 30" STOP SIGN R1-1 WITH (2) 12" STREET NAME SIGN D3-1'S.
3. INSTALL TYPE 2 CENTERLINE DELINEATION PER USD # 244 & 244.2.
4. INSTALL 250 W HPS STREET LIGHT PER USD #314 & 320.
5. INSTALL 1½" STREET LIGHT CONDUIT WITH 2 #4 AND 1 #8 THW COPPER CONDUCTORS..
6. REMOVE EXISTING CAP & CONNECT STREET LIGHT CONDUIT.
7. INSTALL NO. 3 1/2 PULL BOX PER USD NO. 328.
8. OBLITERATE EXISTING STRIPING.
9. INSTALL R7-1APR (18"x24") NO PARKING ANY TIME SIGN.
10. INSTALL 4" WHITE EDGE LINE.
11. INSTALL CAP.
12. INSTALL 4" PVC F.A.S.T. CONDUIT WITH #8 TRACE WIRE AND PULL WIRE.
13. INSTALL P-30 PULL BOX WITH "FIBER OPTIC" INSCRIBED ON LID.

NOTE: SEE SHEET C1 & C2 FOR ABBREVIATIONS AND QUANTITIES

SIGN LEGEND

PROPOSED



EXISTING

CLARK COUNTY DEPARTMENT OF PUBLIC WORKS ACCEPTED

BY _____

ACCEPTANCE OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF STATE, COUNTY, OR FEDERAL SPECIFICATIONS OR THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES

Call before you Dig
Avoid cutting underground utility lines, it's safety.
Call 811
OR
1-800-227-2600
AND
CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-7544

AVOID HITTING OVERHEAD POWER LINES. IT'S DEADLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

FAST
Call before you UnderGround.
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

H# 52144

HTE #13-48294

WESLEY T. PETTY
Exp. 12-31-15
CIVIL
No. 16369
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEVADA
DATE: 3/13/14

REV	DATE	DESCRIPTION	DATE	AGEN APP	DATE	GCW APP

PROJECT NO. 764-A105
DESIGN: HN
DRAWN: HN
CHECK: WTP
PLOT DATE: 03-25-14
PLOT TIME: 10:04:49

G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
1555 S. RAINBOW BOULEVARD · LAS VEGAS, NV 89146
T: 702.804.2000 · F: 702.804.2299 · GCWALLACE.COM
LAS VEGAS
F:\Projects\700\764-A105-001\GWG\Production\A105T00.dwg
Hao Nguyen

PULTE HOMES
NORTHSTAR
TRAFFIC PLAN

CLV DRAWING NO. _____
H# 52144

DRAWING NO. T1
8 OF 9 SHTS