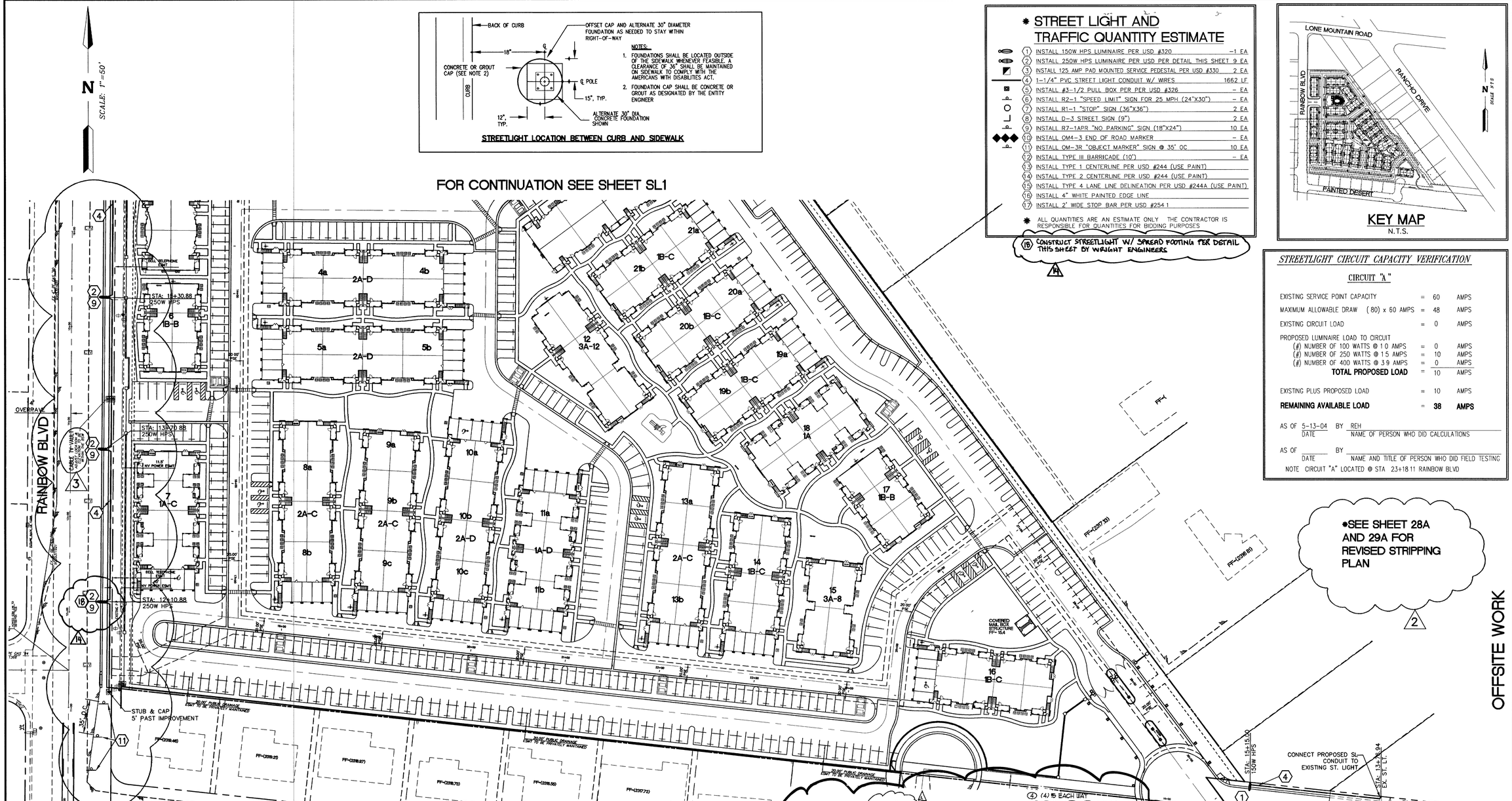


NOTES:
1. FOUNDATIONS SHALL BE LOCATED OUTSIDE OF THE SIDEWALK WHENEVER FEASIBLE. A CLEARANCE OF 36" SHALL BE MAINTAINED ON SIDEWALK TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT.
2. FOUNDATION CAP SHALL BE CONCRETE OR GROUT AS DESIGNATED BY THE ENTITY ENGINEER

STREETLIGHT LOCATION BETWEEN CURB AND SIDEWALK

* STREET LIGHT AND TRAFFIC QUANTITY ESTIMATE

1	INSTALL 150W HPS LUMINAIRE PER USD #320	-1 EA
2	INSTALL 250W HPS LUMINAIRE PER USD PER DETAIL THIS SHEET	9 EA
3	INSTALL 125 AMP PAD MOUNTED SERVICE PEDESTAL PER USD #330	2 EA
4	1-1/4" PVC STREET LIGHT CONDUIT W/ WIRES	1662 LF
5	INSTALL #3-1/2 PULL BOX PER PER USD #326	- EA
6	INSTALL R2-1 "SPEED LIMIT" SIGN FOR 25 MPH (24"X30")	- EA
7	INSTALL R1-1 "STOP" SIGN (36"X36")	2 EA
8	INSTALL D-3 STREET SIGN (9")	2 EA
9	INSTALL R7-1APR "NO PARKING" SIGN (18"X24")	10 EA
10	INSTALL OM4-3 END OF ROAD MARKER	- EA
11	INSTALL OM-3R "OBJECT MARKER" SIGN @ 35' OC	10 EA
12	INSTALL TYPE III BARRICADE (10')	- EA
13	INSTALL TYPE 1 CENTERLINE PER USD #244 (USE PAINT)	
14	INSTALL TYPE 2 CENTERLINE PER USD #244 (USE PAINT)	
15	INSTALL TYPE 4 LANE LINE DELINEATION PER USD #244A (USE PAINT)	
16	INSTALL 4" WHITE PAINTED EDGE LINE	
17	INSTALL 2' WIDE STOP BAR PER USD #254 1	
19	CONSTRUCT STREETLIGHT W/ SPREAD FOOTING PER DETAIL THIS SHEET BY WRIGHT ENGINEERS	

* ALL QUANTITIES ARE AN ESTIMATE ONLY THE CONTRACTOR IS RESPONSIBLE FOR QUANTITIES FOR BIDDING PURPOSES

KEY MAP
N.T.S.

STREETLIGHT CIRCUIT CAPACITY VERIFICATION

CIRCUIT "A"

EXISTING SERVICE POINT CAPACITY	=	60	AMPS
MAXIMUM ALLOWABLE DRAW (80) x 60 AMPS	=	48	AMPS
EXISTING CIRCUIT LOAD	=	0	AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT			
(#) NUMBER OF 100 WATTS @ 1.0 AMPS	=	0	AMPS
(#) NUMBER OF 250 WATTS @ 1.5 AMPS	=	10	AMPS
(#) NUMBER OF 400 WATTS @ 3.9 AMPS	=	0	AMPS
TOTAL PROPOSED LOAD	=	10	AMPS
EXISTING PLUS PROPOSED LOAD	=	10	AMPS
REMAINING AVAILABLE LOAD	=	**38**	**AMPS**

AS OF 5-13-04 (DATE) BY REH (NAME OF PERSON WHO DID CALCULATIONS)

AS OF _____ (DATE) BY _____ (NAME AND TITLE OF PERSON WHO DID FIELD TESTING)

NOTE CIRCUIT "A" LOCATED @ STA 23+18.11 RAINBOW BLVD

BASIS OF BEARINGS:

THE BASIS OF BEARING FOR THIS SURVEY IS THE WESTERLY LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 2, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, COUNTY OF CLARK, STATE OF NEVADA, WHICH BEARS NORTH 00°31'01" EAST, AS PER MAP RECORDED IN BOOK 105, PAGE 58 OF PLATS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

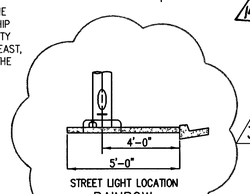
BENCH MARK:

CITY OF LAS VEGAS BENCH MARK 1LV00 3NEE6

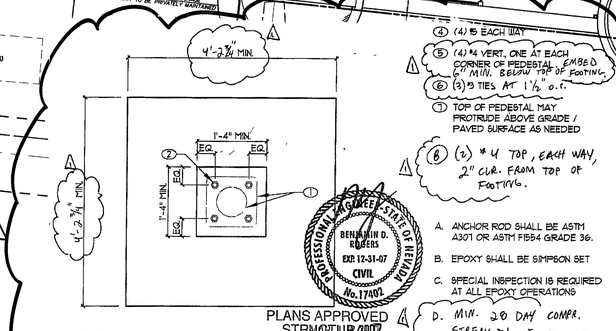
CITY OF LAS VEGAS PIN AND PLATE IN THE TOP OF CURB, SOUTHWEST CORNER OF RAINBOW BOULEVARD AND RED COACH AVENUE NEAR THE PT OF RED COACH AVENUE

NAVD '88 DATUM

ELEVATION = 2319.021 U.S. SURVEY FEET
ELEVATION = 706.839 METERS



STREET LIGHT LOCATION
RAINBOW



(4) #5 EACH WAY
(5) (4) #4 VERT. ONE AT EACH CORNER OF PEDESTAL. EMBED 6" MIN. BELOW TOP OF FOOTING.
(6) (3) #3 TIES AT 1½" o.c.
(7) TOP OF PEDESTAL MAY PROTRUDE ABOVE GRADE / PAVED SURFACE AS NEEDED
(8) (2) #4 TOP, EACH WAY, 2" CLR. FROM TOP OF FOOTING.

A. ANCHOR ROD SHALL BE ASTM A307 OR ASTM F1554 GRADE 36.
B. EPOXY SHALL BE SIMPSON SET
C. SPECIAL INSPECTION IS REQUIRED AT ALL EPOXY OPERATIONS
D. MIN. 28 DAY COMPR. STRENGTH OF CONCRETE SHALL BE 4500 PSI (DESIGN BASED ON f'_c = 2500 PSI).

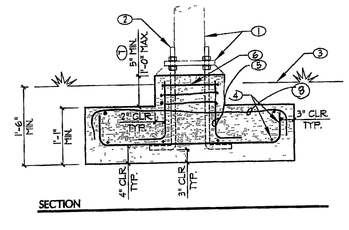
PROFESSIONAL ENGINEER - STATE OF NEVADA - BENJAMIN D. ROGERS - EXP. 12-31-07 - CIVIL - No. 17497

PLANS APPROVED
STRUCTURAL
Building & Safety Dept.
City of Las Vegas, Nevada
SW MAR 29 2007

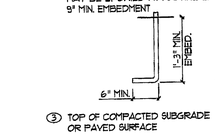
SPREAD FOOTING AT LIGHT POLE

Approval Does Not Include Architectural, Electrical, Plumbing/Mechanical or Civil Site Improvements Make No Change Without Approval Plans is Not a Permit to Violate Any Ordinance

PROJECT LONE MOUNTAIN APARTMENTS | NO 6N2450923 | SHEET 5/1



(1) 11 GAUGE x 32'-0" TALL LIGHT POLE w/ SINGLE ARM AND BASE PLATE PER RTC STANDARD DRAWING #516
(2) (4) 1" DIA. x 15" MIN. X 6" "J-SHAPED" ANCHOR RODS. AS AN ALTERNATE, ANCHOR RODS MAY BE EPOXIED AT FOOTING w/ 9" MIN. EMBEDMENT
(3) TOP OF COMPACTED SUBGRADE OR PAVED SURFACE



101566

CAUTION TO CONTRACTOR !

EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. 98575

AVOID HITTING OVERHEAD POWER LINES IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-593-6111
NEVADA POWER ENVIRONMENT & SAFETY SERVICES DEPARTMENT

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

REV	DATE	BY	REVISION
1	7/6/05	BK	CHANGE BLDG NUMBERS - KB 7/7/05
2	10/9/06	BK	MOVE BC ON RAINBOW 5' WEST; ADJUST AFFECTED IMPROVEMENTS; ADD SHEET 29A
3	11/20/06	GS	ADD UTIL INFO. ADD STREET LIGHT DETAIL KB 11/22
4	5/2/07	BK	ADD STREET LIGHT BASE DETAIL KB 5/4/07

OVATION DEVELOPMENT
1175 AMERICAN PACIFIC DRIVE, SUITE F
HENDERSON, NEVADA 89074
CONTACT: JAN GOYER (702) 990-2325

VPOINT
DESIGNING FOR THE FUTURE
PLANNERS - CONSULTING ENGINEERS - SURVEYORS
1009 WHITNEY RANCH DRIVE - HENDERSON, NEVADA 89014 - (702) 248-6415

TITLE
STREET LIGHT AND TRAFFIC PLAN II
LONE MOUNTAIN APARTMENTS

DRAWN BY: REH — MAY 2004
DESIGNED BY: REH — MAY 2004
CHECKED BY: PL — MAY 2004
PROJECT NO: 662-E169
SCALE: 1" = 50'

WRIGHT client driven

PROFESSIONAL ENGINEER - STATE OF NEVADA - CINDY A. STOCKHOFF - EXP. 06-30-08 - CIVIL - No. 12108

SHEET SL2
29 OF 41 SHEETS
DRAWING NO. 107V4322