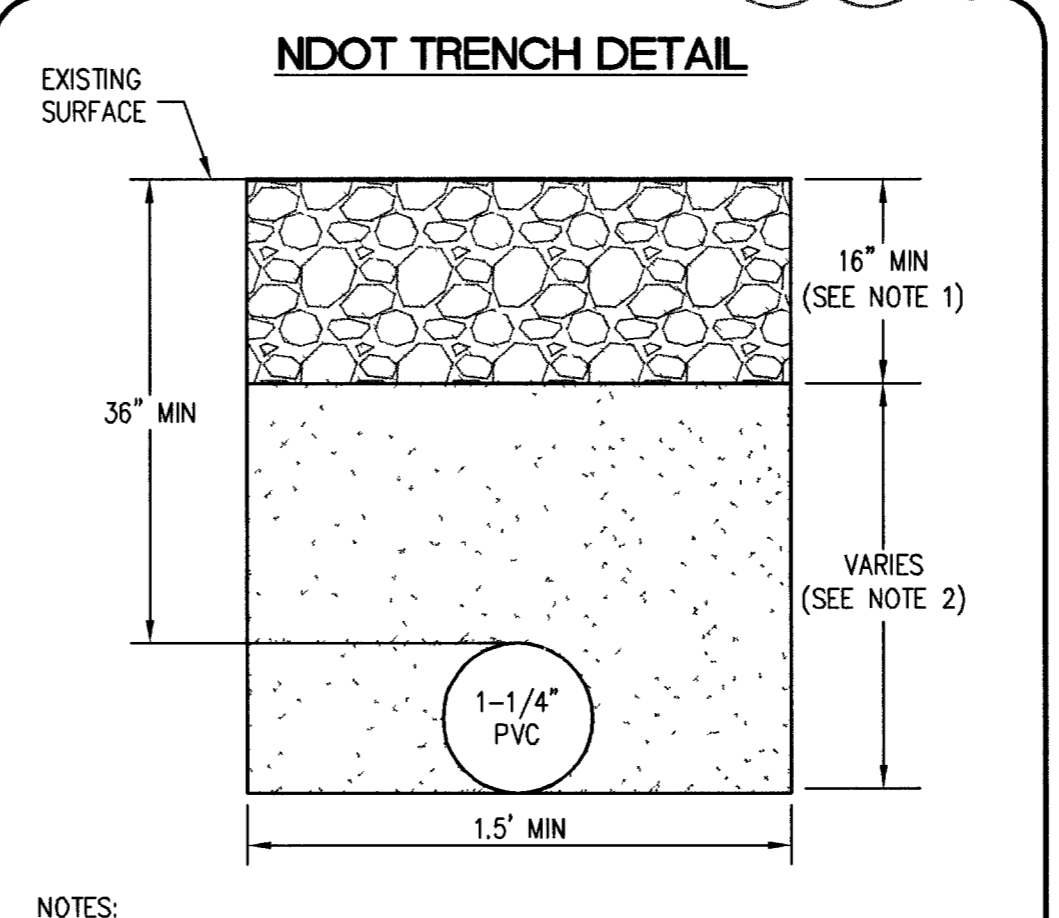
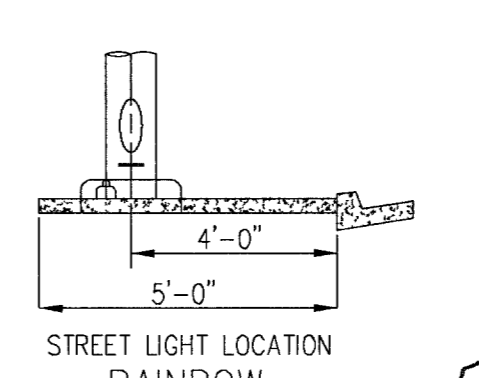
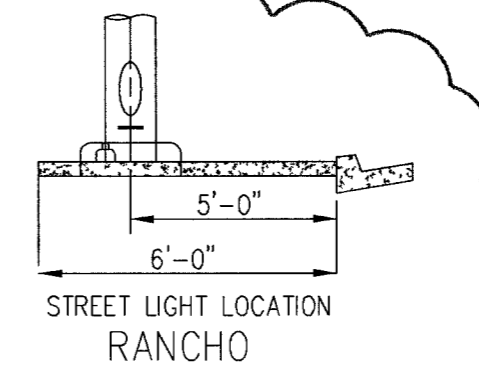
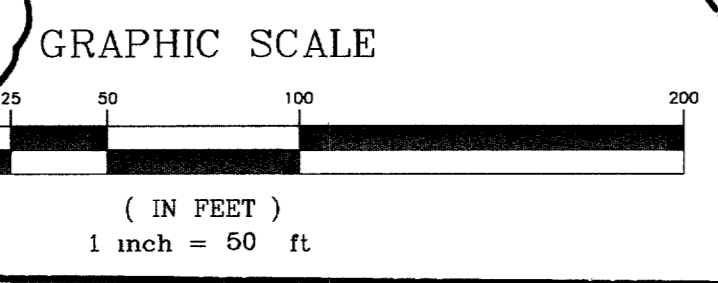
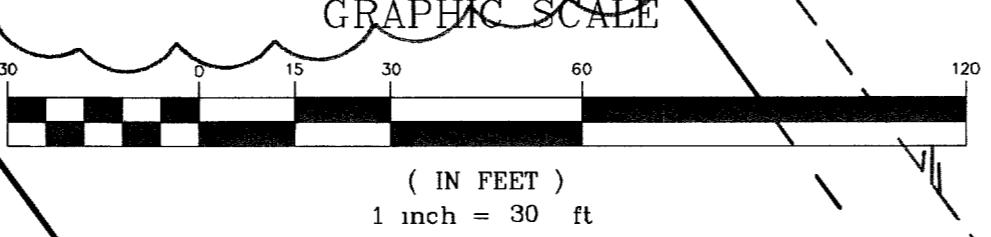


LONE MOUNTAIN ROAD

NDOT PERMIT:
AN NDOT ENCROACHMENT PERMIT IS REQUIRED FOR ALL WORK WITHIN NDOT RIGHT OF WAY. ALL STREET LIGHT WORK IS TO BE PERMITTED AND INSPECTED BY CLV INSPECTOR.



- NOTES:
1. BASE AGGREGATE (AS PER NDOT SPECIFICATIONS; SECTION 704), A MINIMUM OF 16 INCHES TO BE LAID IN MAXIMUM 8 INCH LOOSE LIFTS. 95% COMPACTION REQUIRED.
 2. BACKFILL WITH SELECT MATERIAL TO BOTTOM OF BASE AGGREGATE (AS PER NDOT SPECIFICATIONS; SECTION 207), 90% COMPACTION REQUIRED.

•SEE SHEET 28A AND 29A FOR REVISED STRIPPING PLAN

STREETLIGHT CIRCUIT CAPACITY VERIFICATION

CIRCUIT "B"

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	=	0	AMPS
(#) NUMBER OF 100 WATTS @ 1.0 AMPS	=	0	AMPS
(#) NUMBER OF 250 WATTS @ 1.5 AMPS	=	1	AMPS
(#) NUMBER OF 400 WATTS @ 3.9 AMPS	=	0	AMPS
TOTAL PROPOSED LOAD	=	1	AMPS
EXISTING PLUS PROPOSED LOAD	=	1	AMPS
REMAINING AVAILABLE LOAD	=	47	AMPS

AS OF 8-18-04 BY P.L. NAME OF PERSON WHO DID CALCULATIONS
DATE

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

NOTE: CIRCUIT "B" LOCATED @ STA. 307+10.63 RANCHO DRIVE

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	=	0	AMPS
(#) 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 BY REH NAME OF PERSON WHO DID CALCULATIONS
DATE

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

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

- * 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 SHT 29 9 EA
 - 3. INSTALL 200 AMP PAD MOUNTED SERVICE PEDESTAL PER USD #330 1 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 R7-1 APR "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
- * ALL QUANTITIES ARE AN ESTIMATE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR QUANTITIES FOR BIDDING PURPOSES.

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 3NE66
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 NOTE:
ALL HAND HOLE COVERS MUST BE INSTALLED, POLE CAPS POURED, AND PULL BOX LIDS BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT. ALL WIRE MUST HAVE THW INSULATION.

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.



Call before you dig.
1-702-593-6111
1-800-227-2600
NEVADA POWER ENVIRONMENT & SAFETY SERVICES DEPARTMENT
UNDERGROUND SERVICE (USA)

OFFSITE WORK

STREET LIGHT AND TRAFFIC PLAN 1

LONE MOUNTAIN APARTMENTS

DESIGNED BY: MAY 2004
CHECKED BY: MAY 2004
PROJECT NO: 652-E169
SCALE: AS NOTED

SHEET SL1
28 OF 41 SHEETS
DRAWING NO 107V4322

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

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

CONTRACTOR STREETLIGHT W/ SPREAD FOOTING PER DETAIL SHT 29 BY WEIGHT ENGINEERS

PROFESSIONAL ENGINEER
GARY A. STOCKHOFF
EXPIRES 08-30-08
No. 101,801
CIVIL

NEVADA STATE OF NEVADA
GARY A. STOCKHOFF
EXPIRES 08-30-08
No. 101,801
CIVIL

101565
98513

FOR CONTINUATION SEE SHEET SL2

NDOT