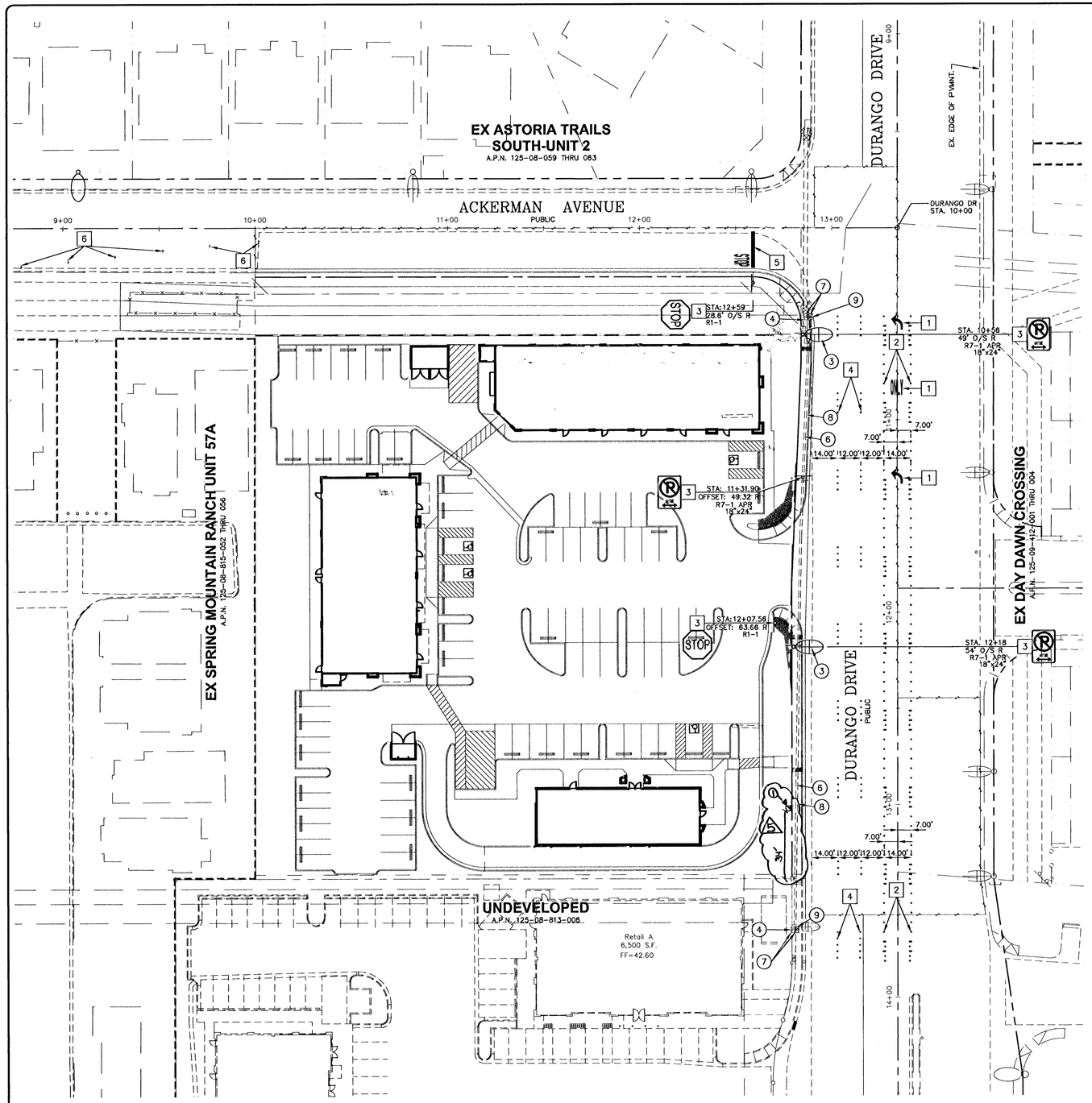
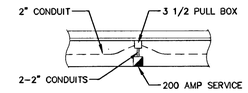
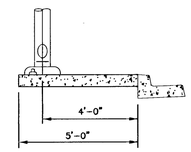




DETAIL
NTS



STREET LIGHT LOCATION
NTS

STREET LIGHT & TRAFFIC NOTES:

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.

ALL STREET LIGHT AND TRAFFIC CONDUITS ARE TO BE INSTALLED UNDER SIDEWALK AREA (TYP.)

STREET LIGHTING CONSTRUCTION NOTES:

1. PROVIDE AND INSTALL 200 AMP 120/240 VOLT, 1 PHASE, PER CCA STD. DWG. NO. 330.331, 3 WIRE, SERVICE PEDESTAL ONTO CONCRETE FOUNDATION PER CCA STD DWG No. 332.1. CONTACT NEVADA POWER FOR SERVICE CONNECTION. CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT FOR SERVICE CONNECTION PER NEVADA POWER SPECIFICATIONS, INCLUDING CONDUIT RISER AND CONDUCTORS UP TO TRANSFORMER. PROVIDE ADDITIONAL 2" CONDUIT STUB FROM FOUNDATION FOR FUTURE USE. INDICATE LOCATION OF CONDUIT STUB ON AS BUILT DRAWINGS.
2. PROVIDE AND INSTALL LIGHTING STANDARD WITH PIPE MASTARM, FOUNDATION AND 100W LUMINAIRE PER CCA STD DWG No. 314 AND 321.
3. PROVIDE AND INSTALL STREET LIGHTING STANDARD WITH PIPE MAST ARM, FOUNDATION AND 250W LUMINAIRE PER CCA STD DWG No. 314 AND 321.
4. PROVIDE AND INSTALL NO. 3 1/2 PULL BOX MARKED "STREET LIGHTING" PER PER CCA STD DWG No. 328.
5. COIL 2' MIN. OF STREET LIGHTING CABLE IN PULL BOXES, ALL STREET LIGHT AND TRAFFIC CONDUITS ARE TO BE INSTALLED UNDER SIDEWALK AREA (TYP.)
6. PROVIDE AND INSTALL 2-#4 THW AND 1-#8 THW GROUND IN 2" STREET LIGHT CONDUIT. LUMINAIRES ARE TO BE WIRED CONTINUOUSLY TO METER PEDESTAL, PER CCA STD DWG No. 335.1 AND 338. THE SYSTEM SHOULD BE GROUNDED PER CCA STD DWG No. 338. 18" OF SLACK SHALL BE LEFT IN EACH POLE. INSTALL INTERCONNECT AND STREET LIGHT CONDUIT IN THE SAME TRENCH. WHERE APPLICABLE.
7. CONNECT 2" CONDUIT TO EXIST. STUB.
8. PROVIDE AND INSTALL 4" F.A.S.T. INTERCONNECT CONDUIT WITH NO. 8 BARE TRACE WIRE.
9. PROVIDE AND INSTALL P30 PULL BOX MARKED "FIBER OPTICS" PER C.C.A.U.S.D. #404.132.

SIGNING AND MARKING CONSTRUCTION NOTES:

1. INSTALL STANDARD PAVEMENT MARKERS FOR LEFT TURN LANE PER C.C.A.U.S.D. #246.
2. INSTALL TYPE II CENTERLINE PAVEMENT MARKERS PER C.C.A.U.S.D. #244.
3. PROVIDE AND INSTALL NEW SIGN(S) WITH "ENCAPSULATED LENS RETROREFLECTIVE SHEETING" CLASS 4 (HIGH INTENSITY GRADE, OR EQUAL). PEDESTRIAN CROSSING AND SCHOOL ZONE CROSSING SIGNS SHALL HAVE CLASS 8 FLORESCENT YELLOW GREEN REFLECTIVE SHEETING (3M TYPE 3983 OR APPROVED EQUAL). SIGN(S) SHALL BE MOUNTED ON A POST, STREET LIGHT POLE OR MAST ARM, AT THE STATION SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. INSTALL STANDARD PAVEMENT MARKERS FOR LANELINE PER C.C.A.U.S.D. #244A.
5. PROVIDE AND INSTALL COLD POLYMER STOP BAR, WHITE (24" WIDE, ONE PIECE, NON CONTACT PAVEMENT MARKING FILM WITH ADHESIVE APPLICATION) PER CCA STD DWG No. 254A.
6. REMOVE EXISTING SIGN

FOUNDATION AND POLE SCHEDULE
DURANGO DRIVE

LOCATION*	CIRCUIT	MTG. HEIGHT	LUMIN. ARM	LIGHT FIXTURE
STA: 10+57.08±, 29'± R	A	31'-9"	8'-0"	250W HPS
STA: 12+17.94±, 29'± R	A	31'-9"	8'-0"	250W HPS

* FINAL FOUNDATION LOCATION SHALL BE FIELD STAKED FOR APPROVAL BY THE ENGINEER PRIOR TO EXCAVATION OF FOUNDATION.

SIGHT VISIBILITY RESTRICTION ZONE:

NO WALLS, FENCES, TREES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24" IN HEIGHT, MEASURED FROM TOP OF CURB, OR WHERE NO CURB EXISTS, A HEIGHT OF 27" MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE PER C.C.A.U.S.D. #201.2.

BENCHMARK:

CITY OF LAS VEGAS VERTICAL CONTROL POINT "OLV90 17NES", BEING A RIVET PLATE IN THE TOP OF CURB AT THE SOUTHWEST CORNER OF GRAND TETON AND DURANGO.

ELEVATION: 2539.74 (FEET)
774.1140 (METERS)
CITY OF LAS VEGAS VERTICAL CONTROL v.2003 BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

BASIS OF BEARINGS:

NORTH 00°05'38" EAST, BEING THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 8, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN IN FILE 88 OF SURVEYS, AT PAGE 75, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA.

NORTH

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30' ft.

AVOID HITTING UNDERGROUND STATE, CITY, COUNTY AND STREET LIGHTING CIRCUITS IN YOUR AREA
CALL BEFORE YOU DIG UNDERGROUND
Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS AND
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM
SAFETY ALERT
Call Before You Overhead
1-702-227-2929
Avoid cutting underground utility lines. It's costly.
Call before you Dig
1-800-227-2600

REV.	DESCRIPTION:	DATE:	BY:
A	RELOCATED SERVICE PEDESTAL	9/3/08	JDA

Nevada By Design
ENGINEERING CONSULTANTS
3915 East Harmon Avenue
Las Vegas, NV 89121
Phone (702) 798-1000
www.nevadadesign.com

DRAWN BY: JSG | SCALE: 1"=30'
DESIGNED BY: JDA | JOB NUMBER: 05432
CHECK BY: CLN | DATE: 2/28/07

PROJECT: DURANGO/GRAND TETON SHOPPING CENTER

DRAWING TITLE: STREET LIGHTING / TRAFFIC CONTROL PLAN

SEAL: STATE OF NEVADA — CLAYTON L. NEILSEN — EXP: 12/31/07 — CIVIL — No. 14132 — PROFESSIONAL ENGINEER

SHEET NO.: C6.00
SHEET 8 OF 18
JOB CONTROL NUMBER 10704875

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LEGEND: CL OR SURVEY LINE; PROPERTY LINE; ROW LINE; EASEMENT LINE; SAWCUT LINE; SCARP LINE; DEMO. SURFACE; LIGHT AC PVMT.; TENNIS COURT; MANHOLES & DESCRIPTIONS (Ⓢ = SANITARY SEWER, Ⓔ = ELECTRICAL, Ⓓ = STORM DRAIN, Ⓣ = TELEPHONE); CAP; DESCRIPTION: EXISTING: / PROPOSED: BO VALVE; CLEAN OUT; FDC; FIRE HYDRANT; GATE VALVE; REDUCER; 100w HPS STREETLIGHT; 150w HPS STREETLIGHT; 200w HPS STREETLIGHT; 250w HPS STREETLIGHT; 400w HPS STREETLIGHT; 5' CONTOUR LINE (2210); 1' CONTOUR LINE (2211); EDGE OF PVMT.; "A" TYPE CURBS; "L" TYPE CURBS; WALLS; FENCES; SPOT ELEVATIONS (12.3±), 12.34 BC; SIGNS

H19150