

**STATIC PRESSURE NOTE:**  
 THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRVs ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVWD FACILITIES.  
 ESN 041 REVISED 06/01/04

**DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) - (1) 8"**  
 THE DOUBLE CHECK DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO 7/C.  
 ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS TO ALLOW THE DISTRICT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.  
 EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.  
 ESN 006 REVISED 06/01/04

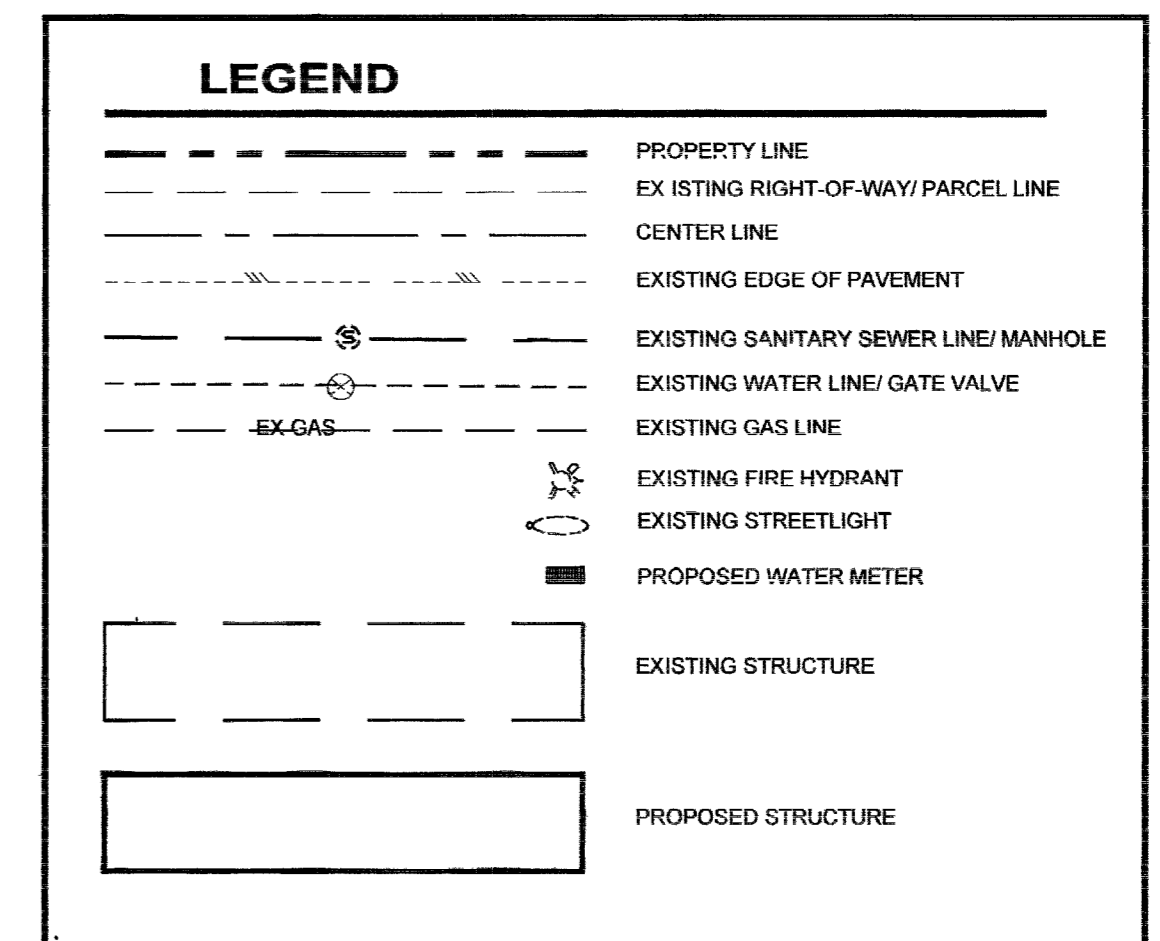
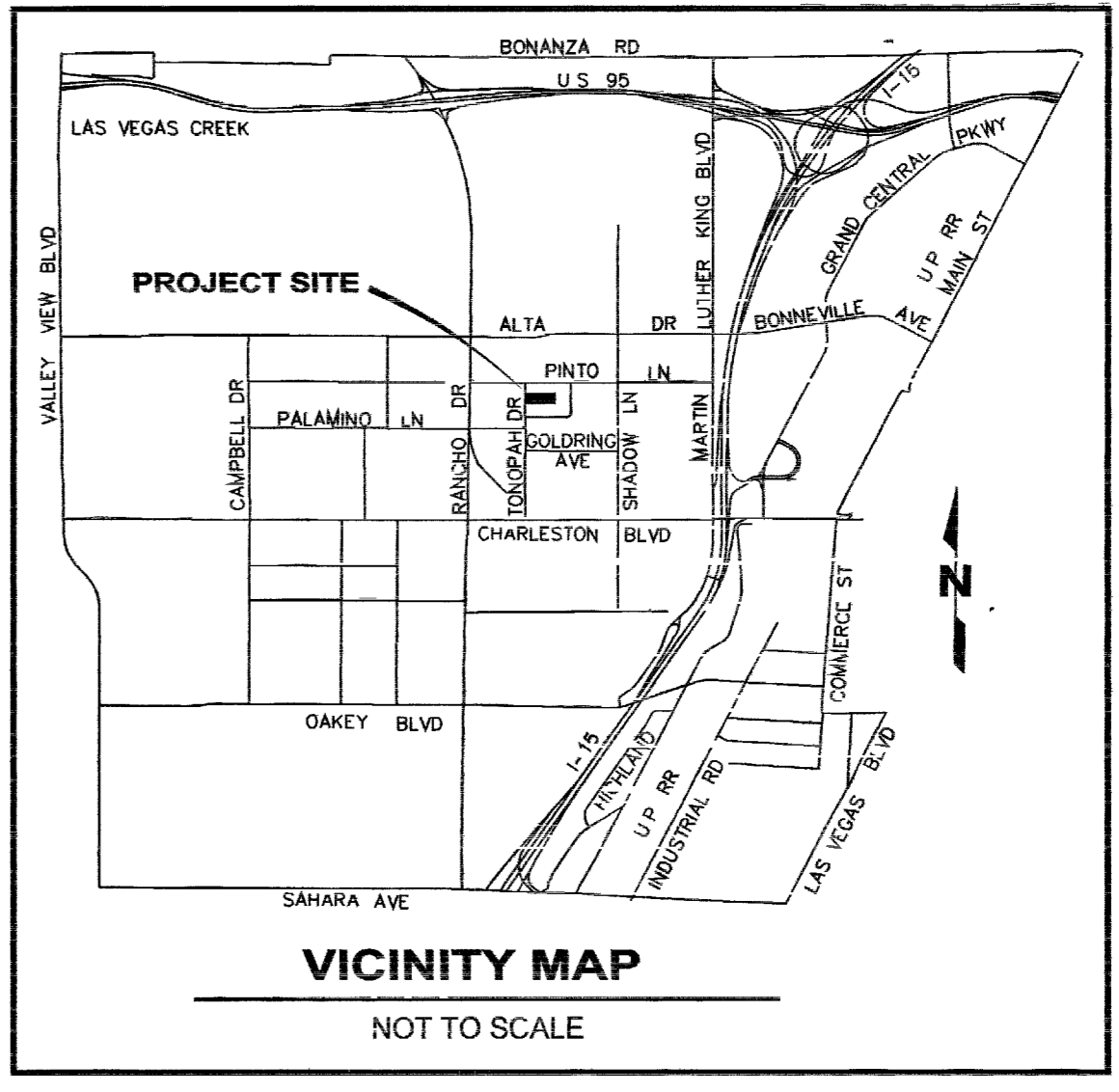
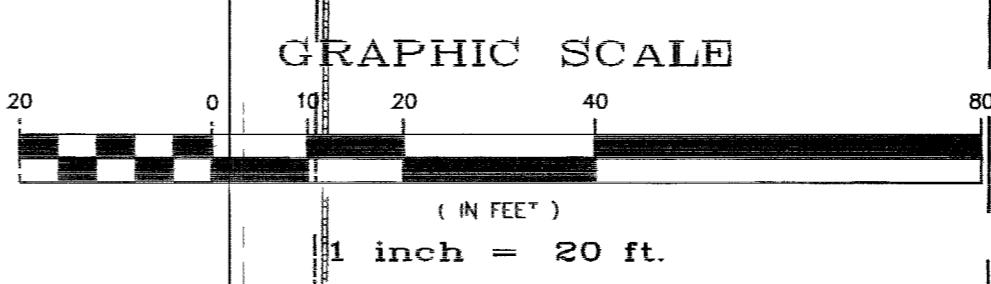
**ABANDONMENT OF EXISTING SERVICE(S) - 2" AND SMALLER**  
 THE CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION OF THE LVWD (702-258-3227) 48 HOURS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE DISTRICT TO TAKE THE FINAL METER READING AFTER THE FINAL READING THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICE AS FOLLOWS:  
 EXISTING SERVICE LATERALS THAT ARE TO BE ABANDONED FROM THE EXISTING WATER MAINS SHALL HAVE THE CORPORATION STOPS TURNED OFF AT THE MAIN, A MINIMUM OF TWELVE (12) INCHES OF THE LATERAL CUT OUT NEAR THE CORPORATION STOPS, AND A BRASS CAP INSTALLED ON THE CORPORATION STOP. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY THE DISTRICT. IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY LVWD COMMUNICATION SUPPORT CENTER (702-258-7171) FOR FURTHER DIRECTION. THE EXISTING METER(S) SHALL BE REMOVED AND DELIVERED TO THE DISTRICT.  
 THE CONTRACTOR SHALL REMOVE THE EXISTING SERVICE METER BOX AND APPURTENANCES, FILL AND GRADE ANY AND ALL RESULTING VOIDS, AND REPLACE OR RESTORE TO ORIGINAL CONDITIONS OR BETTER, ALL LANDSCAPING, IRRIGATION SYSTEMS, CONCRETE, SIDEWALKS, ASPHALT, OR ANY OTHER ITEMS DAMAGED OR REMOVED DURING THE REMOVAL OF THE EXISTING SERVICE METER BOX.  
 ESN 028 REVISED 06/01/04

**DUAL REDUCED PRESSURE PRINCIPLE ASSEMBLY (2) 2"**  
 APPROVED DUAL REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO 11B. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVWD.  
 ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS TO ALLOW THE DISTRICT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.  
 EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.  
 ESN 034 REVISED 06/01/04

**BUILDING DATA - CITY OF LAS VEGAS**  
 TYPE OF CONSTRUCTION - V B  
 MAX SQ FT - 15,000  
 NUMBER OF FLOORS - 3  
 PLANNED USE - MIXED USE RESIDENTIAL  
 FIRE RESISTIVE RATING OF SEPARATION WALLS - SEE ARCHITECTURALS  
 AUTOMATIC FIRE SPRINKLER SYSTEM - YES  
 CITY OF LAS VEGAS FIRE DEPARTMENT APPROVED  
 BY *[Signature]*  
 APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS  
 FIRE FLOW 1,625 GPM AT 20 P S I RESIDUAL  
 91730 1/2938 5/10/06 DATE

**ENGINEER**  
 JPL ENGINEERING  
 8820 S EASTERN AVE  
 SUITE 8  
 LAS VEGAS, NV 89123  
 CONTACT: JAMES P. LOPEZ, P.E.  
 PHONE: (702) 896-6289  
 FAX: (702) 896-0647  
 PROFESSIONAL ENGINEER - STATE OF NEVADA  
 Exp. 12-31-07  
 CIVIL  
 License No. 14975  
 FOR REVISION 1 ONLY SHEETS 1, 6, AND 8 ONLY

**FIRE DEPARTMENT APPROVAL**  
 APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVWD. ESN 012 REVISED 6/1/04



- UTILITY NOTES**
1. TIE INTO EXISTING 8" PVC SANITARY SEWER LINE
  2. INSTALL 12" x 8" M J TAPPING SLEEVE W/ 8" TAPPING VALVE
  3. INSTALL 2" DOMESTIC WATER METER PER U D A C S PLATE NO 1-D
  4. INSTALL 2" DUAL R P P A ASSEMBLY PER U D A C S PLATE NO 11B
  5. INSTALL 8" DCDA ASSEMBLY PER U D A C S PLATE NO 7/C

**BASIS OF BEARING**  
 SOUTH 89°51'00" EAST BEING THE NORTH LINE OF THE SOUTH HALF (S 1/2) OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTH-WEST QUARTER (SW 1/4) OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M. BEING THE CENTERLINE OF PINTO LANE AS RECORDED IN FILE 05 OF PARCEL MAPS AT PAGE 7 OF OFFICIAL RECORDS OF CLARK COUNTY, NEVADA.

**BENCHMARK**  
 CITY OF LAS VEGAS VERTICAL CONTROL POINT "LV01 335W6", BEING A RIVET & PLATE IN TOP OF CURB @ SE CORNER OF SHADOW LANE AND PALOMINO LANE  
 ELEVATION: 2054.83 (FEET)  
 626 3131 (METERS)  
 CITY OF LAS VEGAS VERTICAL CONTROL v 2002 BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

**APPROVED FOR CONSTRUCTION**  
 ORIGINAL LVWD SIGNATURE 12/20/04  
*Benni K. Bowler* 5/14/07  
 LAS VEGAS VALLEY WATER DISTRICT PROJ. # 111543 DATE ESN 018

CLV # 107V428 H # 8852

No.	REVISIONS	DATE	INIT.	APPR.	FILE NUM.
1	ISSUE FOR MAIN UTILITY FROM 6/1/06	6/1/06	SEN	SEN	GRAND-IMP
2	REVISE EASEMENT & SERVICE AREA	6/1/06	SEN	SEN	

**RAINBOW II, LLC**  
 6403 MABLEOOD DRIVE  
 SUITE 2  
 LAS VEGAS, NV 89120  
 PHONE: 702-451-5700  
 FAX: 702-446-0469  
**PEAK DEVELOPMENT SERVICES**

**THE GRAND**  
 APN #139-33-302-025  
 UTILITY PLAN

PROFESSIONAL ENGINEER - STATE OF NEVADA  
 LONDON CHRISTOPHERSON  
 Exp. 12/31/08  
 CIVIL  
 License No. 15257  
 5/14/07

ENGINEER'S SEAL  
 SCALE 1" = 20'  
 SHEET NUMBER 5 OF 6  
 JOB NUMBER