

**NOTES:**  
 1. 3/4" OPEN GRADE (AC30)  
 2. 4" MIN. DENSE GRADE (AC30) OR MATCH EX. WHICH EVER IS GREATER  
 3. BASE AGGREGATE (PER NDOT SPEC'S, SECTION 704)  
 4. MIN. OF 18" TO BE LAID IN MAX. 8" LOOSE LIFTS. 95% COMPACTION REQUIRED.  
 5. BACKFILL WITH SELECT MATERIAL TO BASE OF AGGREGATE. 90% COMPACTION REQUIRED.  
 6. LIMITS OF PAVING SHALL BE DETERMINED BY INSPECTOR.

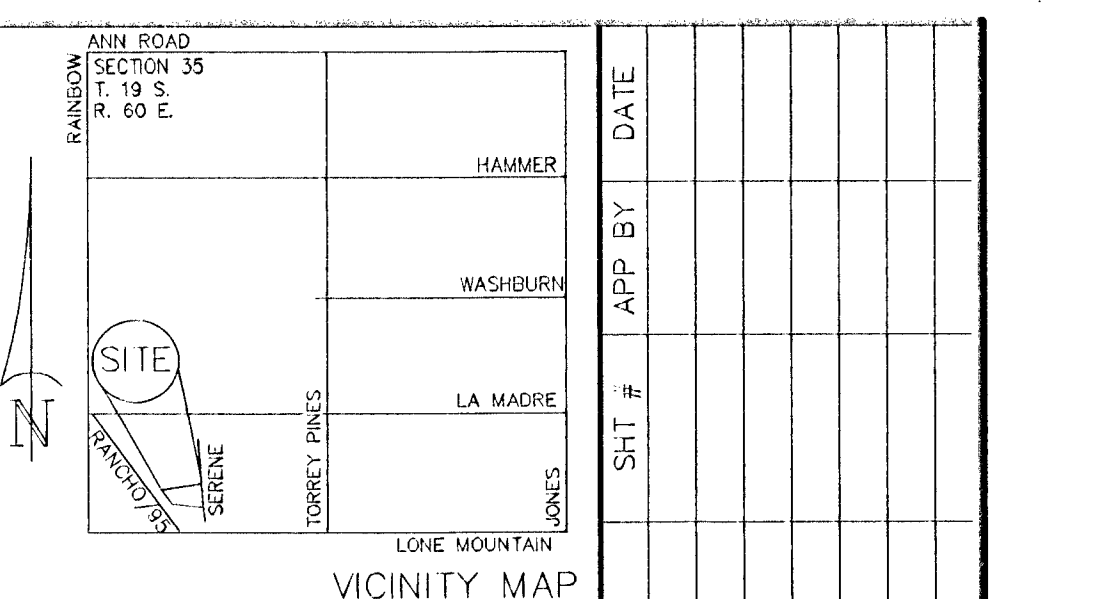
**EXISTING PRIVATE WELLS TO REMAIN IN SERVICE**  
 IF THE EXISTING PRIVATE WELL IS TO REMAIN IN SERVICE, A DISTRICT APPROVED BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISTRICT'S WATER METER IN ACCORDANCE WITH UDACS PLATE NO. 11A. THE NEW SERVICE SHALL NOT BE ACTIVATED UNTIL THE BACKFLOW PREVENTION ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE DISTRICT.  
 ESN 010

**DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) (1) 8"**  
 THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE 11C. 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 DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENT(S) SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.  
 ESN 008 REV. 8/1/04

**NEVADA DEPARTMENT OF TRANSPORTATION (NDOT) PERMIT REQUIRED**  
 AN APPROVED NDOT OCCUPANCY PERMIT SHALL BE OBTAINED THROUGH THE DISTRICT PRIOR TO ANY CONSTRUCTION WITHIN THE NDOT RIGHT-OF-WAY. PLANS SHOWING WORK IN NDOT RIGHT-OF-WAY MUST SHOW NDOT STATIONING. THE DEVELOPER ASSUMES ALL LIABILITY FOR WORK CONSTRUCTED UNDER THE DISTRICT OBTAINED PERMIT THROUGH WARRANTY EXPIRATION.  
 ESN 023

**Call before you OVERHEAD**  
 1-702-227-2929  
**Call before you Dig**  
 1-800-227-2600

**BASIS OF BEARINGS**  
 SOUTH 83°40'36" EAST, BEING THE SOUTH LINE OF THE SW 1/4 OF SECTION 35, T. 19 S., R. 60 E. M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, PER A MAP ON FILE WITH THE CLARK COUNTY RECORDER IN FILE 34, PAGE 83 OF PARCEL MAPS.  
**BENCHMARK**  
 CITY OF LAS VEGAS BENCHMARK #07V90 345ES, BEING A RIVET AND PLATE IN TOP OF CURB, NORTHWEST CORNER OF LONE MOUNTAIN AND RANCHO. ELEV.=707.0461 METERS (2319.70 FEET)  
 NAVD 1988, CITY OF LAS VEGAS VERTICAL CONTROL JUNE 2002, BY WESCO SURVEYS, INC. DATED 2/28/06. ADD 2300' TO ELEVATIONS.  
**SPECIAL NOTES**  
 ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO MATCH FINISH GRADE (I.E. W. BOX, WMH, ANNOUE BOX, FH, TEL BOX, ETC.)  
 ALL UTILITY INSTALLATIONS SHALL CONFORM TO TITLE 19.12.040



**REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 1 1/2"**  
 APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. 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) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENT(S) SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.  
 ESN 028 REV. 8/1/04

**LEGEND & QUANTITY ESTIMATE**

1	1 1/2" SERVICE SADDLE & 1 1/2" WATER METER PER UDACS PLATE #10	1 EA.
2	1 1/2" RPPA PER UDACS PLATE # 11-A	1 EA.
3	FIRE HYDRANT ASSY. PER UDACS PLATE #7	2 EA.
4	16" x 8" TAPPING SLEEVE w/ 6" TAPPING VALVE 1 EA. PER UDACS PLATE 22	1 EA.
5	8" x 6" REDUCER	1 EA.
6	7 LF 1-1/2" BRASS WATER	
7	6" GATE VALVE 1 EA.	
8	16" x 8" TAPPING SLEEVE w/ 8" TAPPING VALVE 1 EA. PER UDACS PLATE 22	1 EA.
9	8" x 5" ELBOW w/ RESTRAINED JOINTS	1 EA.
10	8" x 6" TEE	2 EA.
11	8" 90° ELBOW PER UDACS PLATE #5	2 EA.
12	RELOCATE EX. POWER POLE TO BACK OF CURB SEE NV POWER DWS'S	
13	8" 11-1/4" x 5" ELBOW PER UDACS PLATE #5 (5" ELBOW w/ RESTRAINED JOINTS)	1 EA.
14	8" 7" TYPE DCDA PER UDACS PLATE #11C	1 EA.
15	COMMERCIAL WELL - GWMP 10360 DWR PERMIT #14677	
16	BLDG. MOUNTED FIRE DEPT. 2 EA. CONNECTION (FDC)	
17	20' x 23' LVWD EASEMENT	1 EA.
18	22 LF- 8" PVC WATER	
19	8" 45° ELBOW PER UDACS PLATE #5	1 EA.
20	TRENCH BACKFILL PER DCWCS #50-16A	

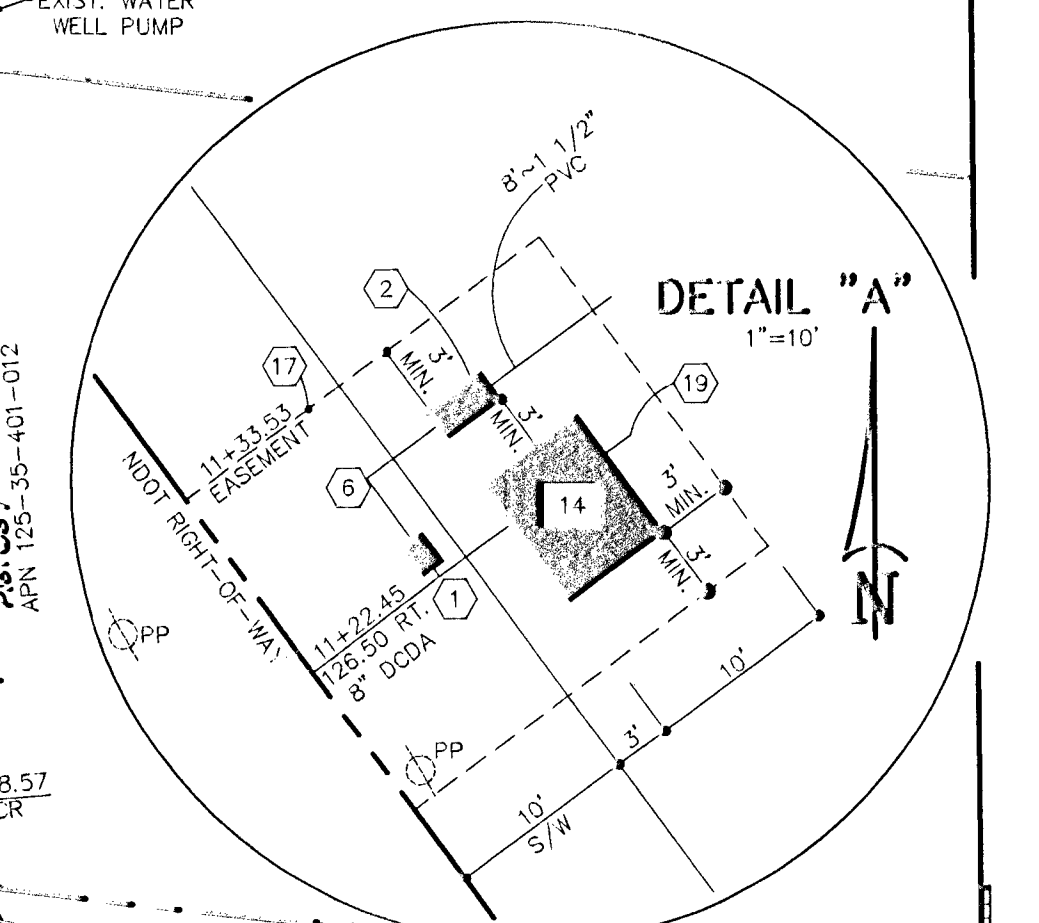
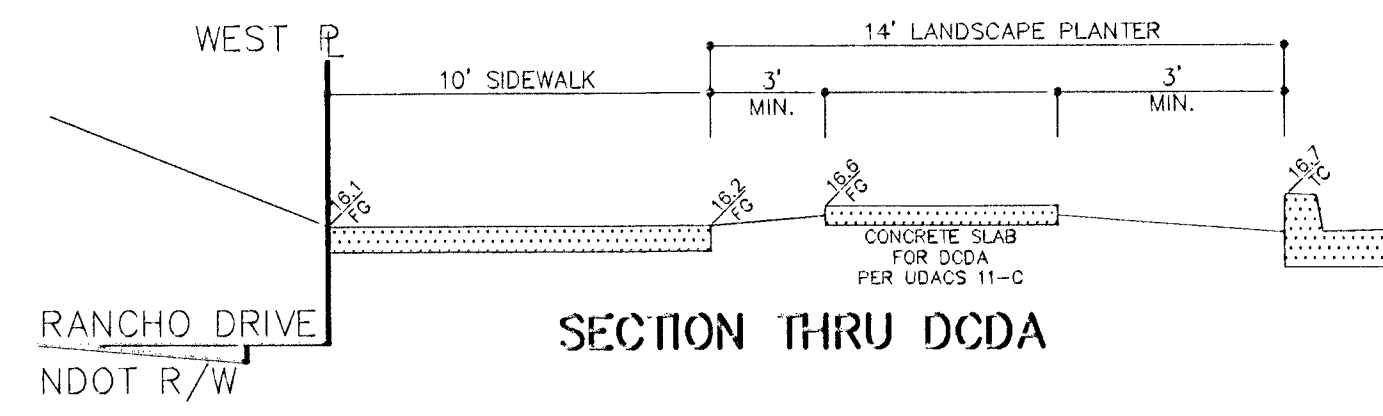
  

1 1/2" Cu WATER LATERAL	27 LF
1 1/2" PVC WATER	267 LF
6" PVC WATER (PRIVATE)	396 LF
6" PVC WATER (PUBLIC)	35 LF
8" PVC WATER (PRIVATE)	207 LF
8" PVC WATER (PUBLIC)	36 LF
6" PVC SEWER (PRIVATE)	416 LF
8" PVC SEWER (PUBLIC)	425 LF
6" SEWER CLEAN OUT w/ TRAFFIC RATED COVER	7 EA.
48" SANITARY SEWER MANHOLE	1 EA.
60" SANITARY SEWER MANHOLE	1 EA.

**EASEMENTS / RIGHT OF WAYS**

- (A) 10' WIDE SOUTHERN NEVADA POWER COMPANY EASEMENT BOOK 82 INSTRUMENT 68441 RECORDED ON JANUARY 27, 1956.
- (B) 5' WIDE WATER LINE EASEMENT AS SHOWN ON PARCEL MAP FILE 34 PAGE 83
- (C) 20' PRIVATE ROAD AS SHOWN ON PARCEL MAP FILE 34 PAGE 83.
- (D) NON-EXCLUSIVE RIGHT OF WAY AND EASEMENT FOR A WATER LINE BOOK 970204 INSTRUMENT 0070 RECORDED ON FEBRUARY 4, 1997.
- (E) NON-EXCLUSIVE RIGHT OF WAY AND EASEMENT FOR EGRESS & INGRESS BOOK 970204 INSTRUMENT 0070 RECORDED ON FEBRUARY 4, 1997.
- (F) CENTRAL TELEPHONE COMPANY RIGHT OF WAY BOOK 524 INSTRUMENT 421759 RECORDED ON MARCH 24, 1984
- (G) 20' WIDE NON-EXCLUSIVE RIGHT OF WAY OR EASEMENT FOR ROAD & EGRESS & INGRESS BOOK 20050413 INSTRUMENT 03095 RECORDED ON APRIL 13, 2005.
- (H) 20' PRIVATE ROAD PER ASSESSOR'S MAP, NO DOCUMENT FOUND.
- (I) EASEMENT FOR INGRESS, EGRESS, PARKING, & UTILITIES BOOK 20070212 INSTRUMENT 1231, RECORDED FEB. 12, 2007

PROPERTY IS ALSO SUBJECT TO:  
 20' WIDE BELL TELEPHONE RIGHT OF WAY RECORDED IN BOOK 51 PAGES 80-81 DOCUMENT 145033 DATED JULY 13, 1942; LOCATION NOT DESCRIBED.



**LAS VEGAS FIRE DEPT.**  
 FIRE FLOW REQUIREMENT IS: 1625 gallons per minute at 20 psi residual pressure.  
 BASED ON:  
 SQUARE FOOTAGE: 14,307 square feet  
 LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: 14,307 square feet  
 BUILDING HEIGHT: 26'-0" feet  
 NUMBER OF STORIES: ONE floor  
 TYPE OF CONSTRUCTION: V-B  
 OCCUPANCY: YES  
 FULL AUTOMATIC FIRE SPRINKLER SYSTEM: YES  
 DATE: 11-15-07  
 LVWD (PROJECT # 113678)

**DUNNAM CIVIL ENGINEERS**  
 5471 WEST GULFVIEW ROAD SUITE 202  
 LAS VEGAS, NV 89115  
 (702) 798-1088 (702) 798-6888 FAX

**THE ANNEX**  
 UTILITY PLAN

**ASBUILTS**

FILE NAME: KALB55U.dwg  
 PLOT SCALE: 1" = 30'  
 SHEET: 8 OF THIRTEEN  
 CLV DRAWING # 107V4960