

BUREAU OF LAND MANAGEMENT (BLM)  
APN: 125-29-601-018  
NOT A PART

CHURCH CHRIST BRIGHT ANGEL  
APN: 125-29-601-019  
NOT A PART

BUREAU OF LAND MANAGEMENT (BLM)  
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**BASIS OF BEARINGS:**  
SOUTH 00°37'28" WEST BEING THE BEARING OF RILEY STREET BETWEEN TROPICAL PARKWAY AND BRIGHT ANGEL WAY AS SHOWN FILE 79 OF PARCEL MAPS, PAGE 22 IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER.

**BENCHMARK:**  
CLARK COUNTY VERTICAL CONTROL V.2003 BENCHMARK No. 8190 2916  
CITY OF LAS VEGAS RIVET AND ROUND ALUM. PLATE IN EAST EDGE OF MALIBOX CONCRETE PAD, NORTHEAST CORNER OF W. AZURE AVE. AND EL CAPITAN WAY  
NAVD88 ELEVATION 772.450 METERS (2534.26 FEET)

**LWWD STANDARD NOTES**  
LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES  
LWWD PROJECT No. PROJECT H-9778

**UTILITY NOTE**

THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON HAS BEEN DETERMINED FROM SURFACE EVIDENCE OF THEIR EXISTENCE OR FROM INFORMATION OBTAINED FROM THE UTILITY COMPANIES. THE ENGINEER ACCEPTS NO LIABILITY FOR THE EXISTENCE OR NONEXISTENCE OF UTILITY LINES. CONTRACTORS AND OTHERS USING THIS MAP MUST CONFIRM THE LOCATION OF UNDERGROUND LINES OR STRUCTURES WITH THE UTILITY COMPANIES PRIOR TO COMMENCING ANY EXCAVATION.

**CONSTRUCTION NOTES**

- CONNECT 10" PVC WATER MAIN TO EXISTING 8" PVC WATER MAIN. REMOVE CAP AND BLOW OFF PER UDACS PLATE NO. 4A. NOTE NO. 1, AND CONNECT TO EXISTING MAIN. SEE UTILITY NOTE THIS SHEET. REPLACE AC PER USD NO. 503.
- INSTALL 10" PVC WATER MAIN.
- INSTALL 10"x10" TEE. NOTE: MAXIMUM DEFLECTION IS 1" PER FITTING.
- INSTALL 6" PVC TERMINAL WATER MAIN.
- INSTALL 2" BLOW-OFF 5' PAST LAST SERVICE (TYP) PER UDACS PLATE #4A.
- INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE #7 W/ 8"x8" TEE AND 6" GATE VALVE.
- INSTALL 1-1/2" WATER SERVICE W/ 1-1/2" METER PER UDACS PLATE #1D. INSTALL FIRE SYSTEM PER NFPA 13D.
- CONNECT 8" SEWER MAIN TO EXISTING SEWER MANHOLE (LT-867).
- INSTALL 8" PVC SEWER MAIN PER USD NO. 502 & 504.
- INSTALL 48" TYPE I SEWER MANHOLE PER STD DWG NO. 403.
- INSTALL 4" PVC SEWER SERVICE.
- INSTALL 30" R1-1 "STOP" SIGN W/ 6" D3 STREET SIGN.
- INSTALL 8" GATE VALVE PER UDACS PLATE #3.
- INSTALL 8" x 6" REDUCER.
- INSTALL 10 LF STUB-OUT AND 2" BLOW-OFF PER UDACS #4A.
- INSTALL 10" GATE VALVE PER UDACS PLATE #3.
- INSTALL 8" x 10" INCREASER.
- INSTALL 10" TEE. NOTE: MAXIMUM DEFLECTION IS 1" PER FITTING.
- INSTALL 2" BLOW-OFF 10 FEET PAST TEE.
- INSTALL 100W HPS STREETLIGHT. (STA: 11+48.28; OFFSET: 27.75 RT)



STREET SIGNS  
R1-1 NTS  
D3 NTS

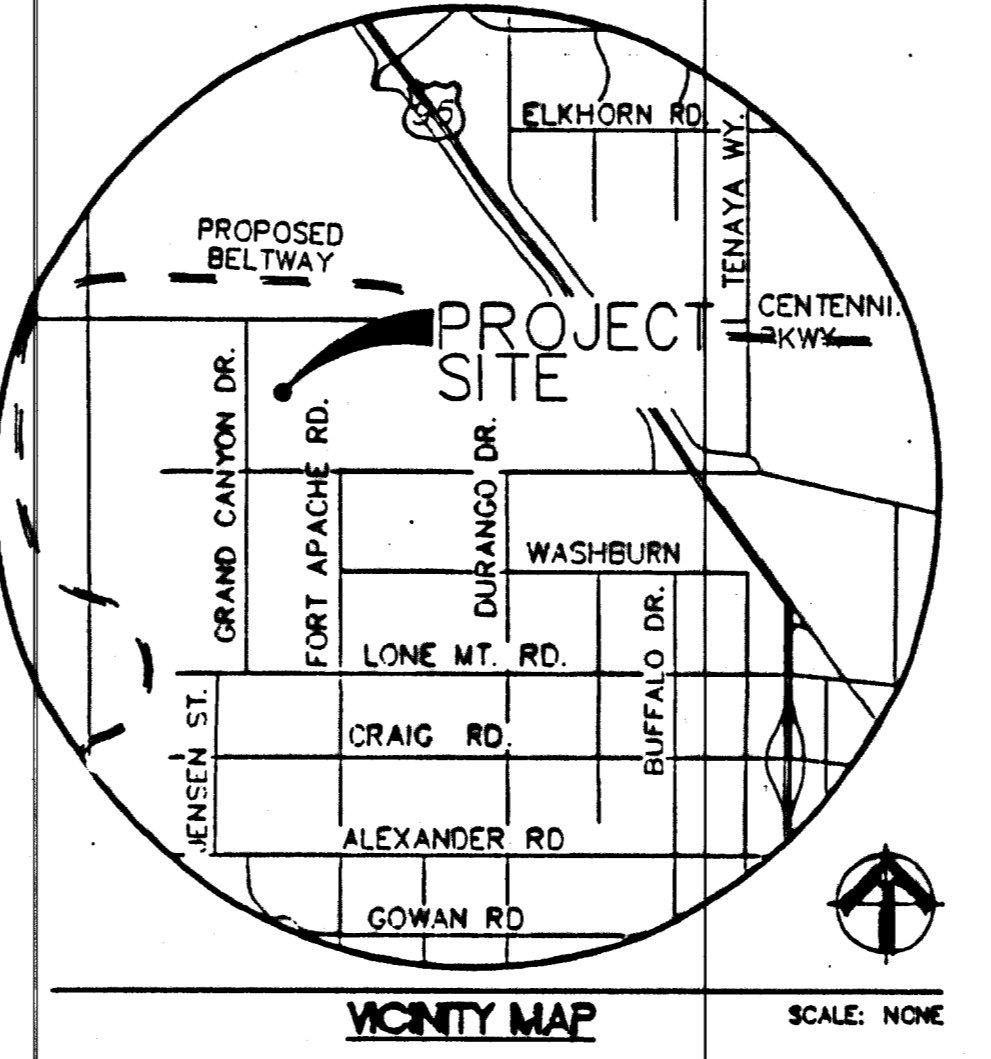
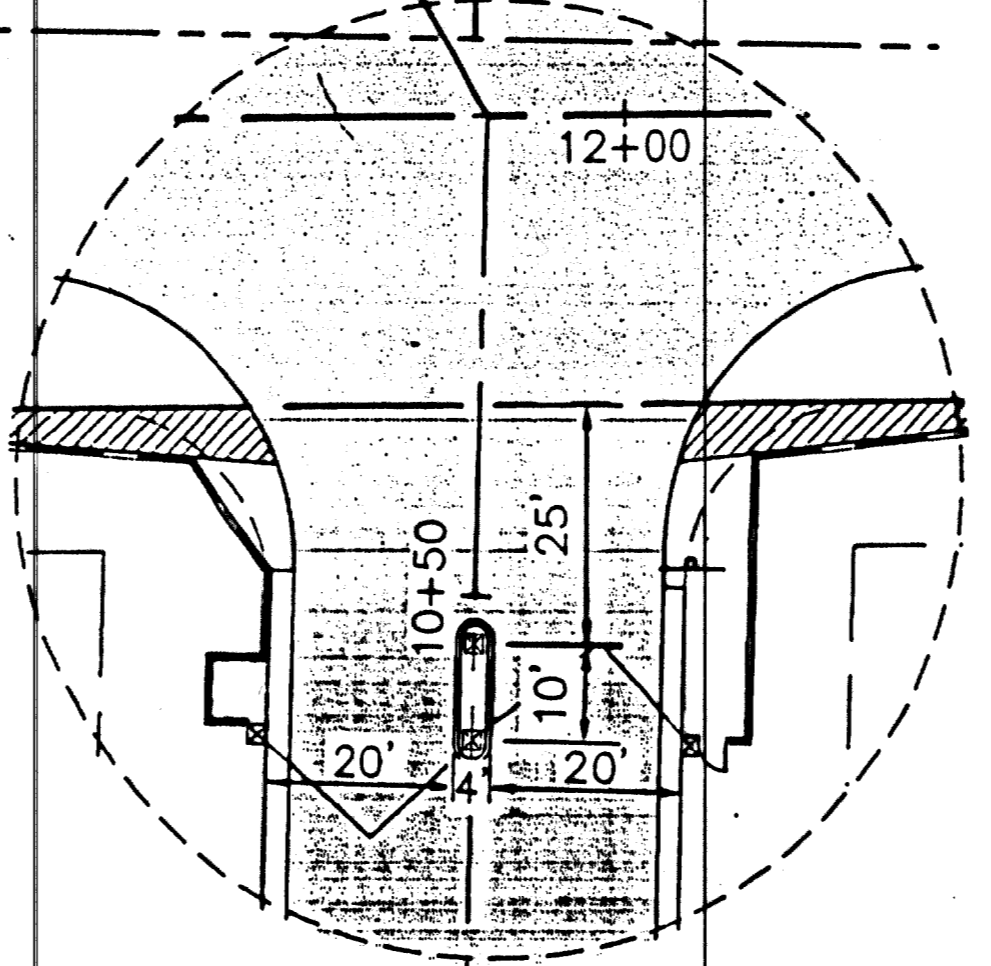
**PRIVATE STREET NOTE:**  
ALL PRIVATE STREETS ARE CITY OF LAS VEGAS PUBLIC SEWER EASEMENTS.

**FOR LEGEND AND ABBREVIATIONS SEE SHEET #1**

**ESTIMATED QUANTITIES-PUBLIC**

10" PVC WATER	700 LF
8" PVC WATER	43 LF
6" PVC WATER	140 LF
10"x10" TEE	1 EA
8" GATE VALVE	1 EA
10" GATE VALVE	2 EA
2" BLOW-OFF ASSEMBLY	2 EA
8" x 4" REDUCER	1 EA
8" x 10" INCREASER	1 EA
1-1/2" WATER SERVICES (MVR) METERS	3 EA
FIRE HYDRANT ASSEMBLY	1 EA
8" PVC SEWER	980 LF
TYPE I 48" SEWER MANHOLE	3 EA
AC PATCH	3550 SF
10"-45" BEND	2 EA
150W HPS STREETLIGHT	1 EA
4" SEWER SERVICE	3 EA

**ESTIMATED QUANTITIES-PRIVATE**



**SPRINKLED**  
LOT 2 PER LAND DIVISION 103-80  
NOT A PART  
ALL BUILDINGS MUST BE SPRINKLED PER NFPA 13D.

**FIRE DEPARTMENT NOTES**

- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE 1997 EDITION OF THE UNIFORM FIRE CODE, AND THE 1995 EDITION OF "NATIONAL FIRE PREVENTION PROTECTION ASSOCIATION PAMPHLET #2A."
- ON ANY BUILDING CONSTRUCTION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE MATERIALS ARE DELIVERED TO THE SITE AND CONSTRUCTION COMMENCES. SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH REQUIRED WATER SUPPLY.
- IF DURING CONSTRUCTION IT BECOMES NECESSARY TO CLOSE ANY CONTROL VALVE OR PLACE A HYDRANT OUT OF SERVICE, THE CLARK COUNTY FIRE DEPARTMENT MUST BE CONTACTED.
- PAINTING OF CURBS AND/OR STRIPPING OF ASPHALT AREAS AND PROTECTION OF HYDRANTS FROM PHYSICAL INJURY, PER FIRE HYDRANT INSTALLATION SPECIFICATIONS OF THE FIRE PREVENTION BUREAU.
- NO FIRE HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE, OR 5 FEET OF A DRIVEWAY, POWER POLE, LIGHT STAND, OR ANY OTHER OBSTRUCTION. FOR WALL FENCE AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT MEASURING A MINIMUM OF 3 FEET FROM ITS EXTERIOR SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTIONS AT ALL TIMES.
- AT ALL TIMES DURING CONSTRUCTION SUITABLE EMERGENCY VEHICLE ACCESS ROAD MUST BE MAINTAINED. ROADWAYS MUST BE SMOOTH, COMPACTED AND CAPABLE OF SUPPORTING THE IMPOSED LOADS OF ALL EMERGENCY VEHICLES.
- PRIOR TO ACCEPTANCE OF ANY PRIVATE FIRE SERVICE MAIN, A SATISFACTORY HYDROSTATIC TEST WITH PIPING JOINTS UNCOVERED MUST BE CONDUCTED. APPROVED PLANS AND A CONTRACTOR'S MATERIALS AND TEST CERTIFICATE MUST BE PROVIDED AT TIME OF INSPECTION.
- BLUE REFLECTIVE MARKERS INSTALLED BEFORE FINAL HYDRANT ACCEPTANCE CAN BE OBTAINED [97 UFC SEC. 901.4.3].

CLARK COUNTY FIRE DEPARTMENT

**NOT APPROVED FOR CONSTRUCTION**  
at this time and this signature does not provide or imply a water contract.  
Date: 10/24/05  
Signature: Gary Long

**APPROVALS**  
CLARK COUNTY FIRE DEPT. DATE: 11/4/05  
APPROVAL OF THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.  
FIRE FLOW 1000 GPM AT 20 P.S.I. RESIDUAL.  
DATE: 2/20/06  
Signature: [Signature]

**PROJECT NAME: A&W BRIGHT ANGEL**  
(Part 3)  
This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is NOT APPROVED FOR CONSTRUCTION.

**APN 125-29-602-013**  
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NOT A PART

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NOT A PART  
ALL BUILDINGS MUST BE SPRINKLED PER NFPA 13D.

CLARK COUNTY FIRE DEPARTMENT

Job No. 105240  
FILE NO. 105240  
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NO.	DATE	DESCRIPTION
1	1/6/06	PERMITS WATER TO BE BUILT

APPROVED: [Signature]  
DATE: 09/15/05  
SCALE: N/A  
DRAWN BY: JGR  
CHECKED BY: DAD  
SHEET: 3 of 7  
DATE: 09/15/05  
PROJECT: H-9778  
LAS VEGAS VALLEY WATER DISTRICT (SHT. #3)  
DATE: 11/4/05

**APPROVALS**  
CLARK COUNTY FIRE DEPT. DATE: 11/4/05  
APPROVAL OF THESE PLANS SHALL NOT BE CONSIDERED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.  
FIRE FLOW 1000 GPM AT 20 P.S.I. RESIDUAL.  
DATE: 2/20/06  
Signature: [Signature]

**CALL BEFORE YOU DIG**  
1-702-455-7511  
1-702-729-6611

**CALL BEFORE YOU OVERHEAD**  
1-800-227-2600  
1-702-227-2929

**HORIZONTAL CONTROL AND UTILITY PLAN**  
A&W BRIGHT ANGEL LLC  
SE CORNER OF JULIANO ROAD AND BRIGHT ANGEL WAY  
MSM-260-04 & MSM-261-04  
125-29-602-001  
CLARK COUNTY, NEVADA

AS BUILT SEWER