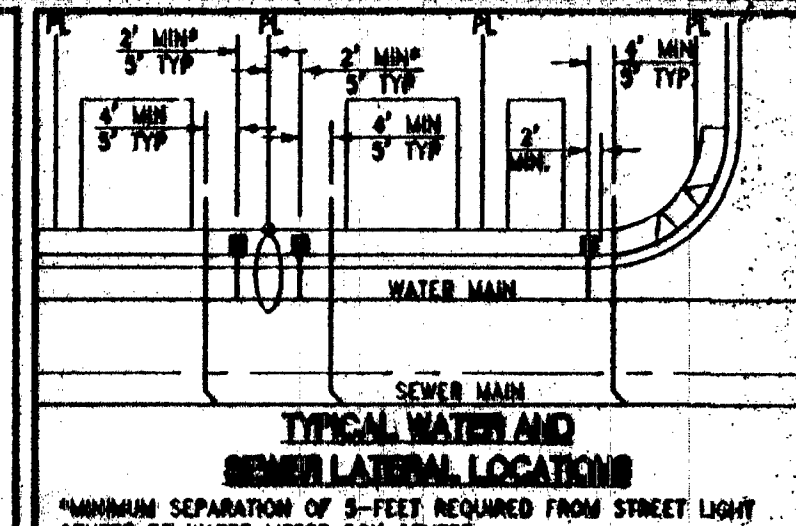
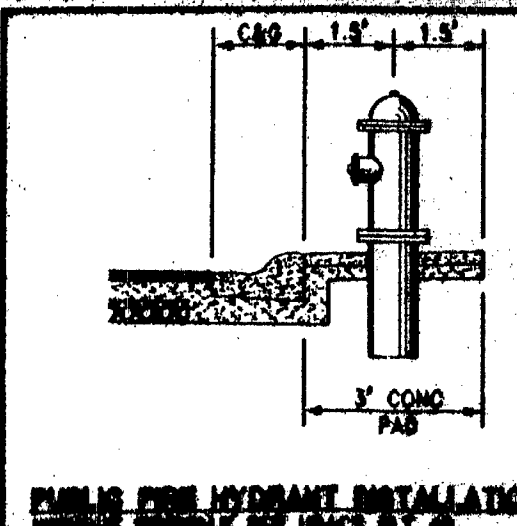


DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD 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. CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGE OR DISCREPANCY.

CLARK COUNTY WATER DEPARTMENT
1-702-227-3800
1-800-277-3800
CLARK COUNTY WATER DEPARTMENT
1-702-227-3800



- ## WATER CONSTRUCTION NOTES
- INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 40 (INCLUDES 8" GATE VALVE)
 - REMOVE EXISTING 8" CAP AND 2" BLOWOFF AND CONNECT TO EXISTING 8" WATER MAIN PER UDACS PLATE 36
 - INSTALL 8" GATE VALVE PER UDACS PLATE NO. 30 & NO. 39
 - INSTALL 8" X 8" TEE PER UDACS PLATE NO. 31
 - INSTALL 8" X 8" TEE PER UDACS PLATE NO. 31
 - INSTALL 8" X 8" REDUCER PER UDACS PLATE NO. 30
 - INSTALL 8" CAP WITH 2" BLOW OFF ASSEMBLY PER UDACS PLATE NO. 36
 - INSTALL 1" COPPER SERVICE LATERAL WITH 3/4" METER (FOR IRREGULARS) WITH 1" TYPICAL PER UDACS PLATE NO. 4 & 8 (1" BENDS WATERLINE BETWEEN METER AND R/W)
 - INSTALL (2) 4" SCHEDULE 40 PVC IRRIGATION SLEEVES
 - INSTALL 8" X 8" CROSS PER UDACS PLATE NO. 31
 - INSTALL 8" 45° BEND PER UDACS PLATE NO. 31
 - INSTALL 8" 90° WITH RESTRAINT JOINTS
 - INSTALL 8" 11.25° BEND PER UDACS PLATE NO. 31
 - COMMON ELEMENT/ASSEMBLY REQUIREMENTS PER NOTES AND TEST SHEET DETAIL ON SHEET U-1
 - INSTALL 8" 90° BEND WITH RESTRAINT JOINTS

SEWER CONSTRUCTION NOTES

- INSTALL 4" STANDARD MANHOLE (PER DCSWCS STD. NO. 50-17, 50-18, 50-19, 50-20 & 50-21)
- INSTALL 4" SEWER LATERAL (PER DCSWCS STD. NO. 50-17, 50-22 & 50-23) AND 1 CU-FF THRUST BLOCK @ CAP
- TYPICAL LOCATION FOR SEWER LATERAL AT WATER MAIN CROSSING: SEWER LATERALS MUST MAINTAIN 24" VERTICAL CLEARANCE BELOW WATER MAIN AT CROSSING

REMARKS

CITY OF LAS VEGAS DEMONSTRATION 1308

R/WET & PLATE TOP CURB NE CORNER SHAMBER ROAD (LANSFORD ST.) AND FARM ROAD.

ELEVATION=915.085 METERS
ELEVATION=3002.24 U.S. SURVEY FEET
NAD83/08 CITY OF LAS VEGAS 2008 VERTICAL ADJUSTMENT

BOUNDARY BEARING

NORTH 88°47'20" EAST BEING THE BEARING OF THE NORTH LINE OF THE NORTHWEST QUARTER (NE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 12, TOWNSHIP 21 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE IN FILE 27 OF PARCEL MAPS, AT PAGE 94.

NOTE

ALL ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF TITLE 18.08 AND 18.09.

SEWER EASEMENT NOTE

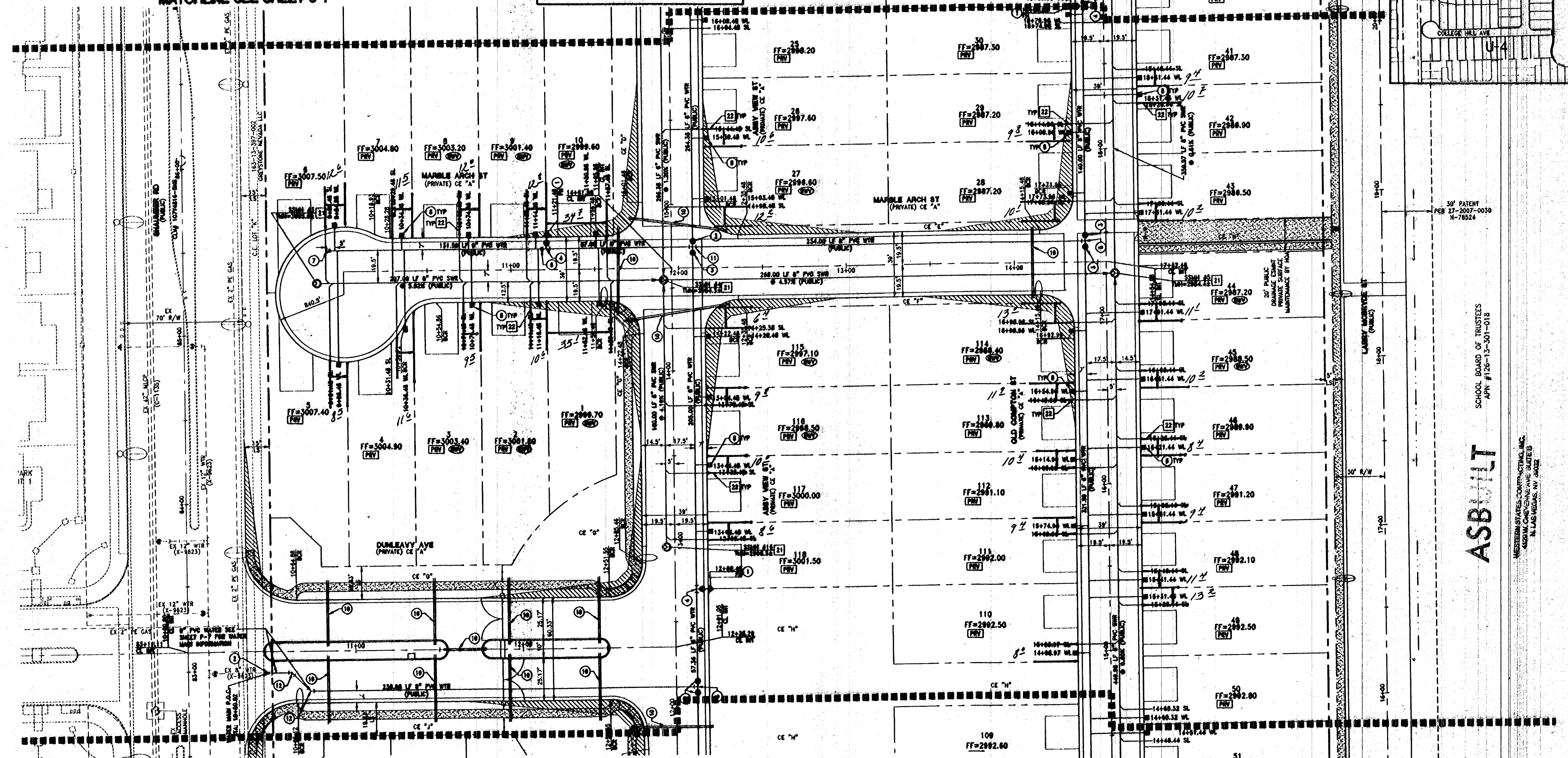
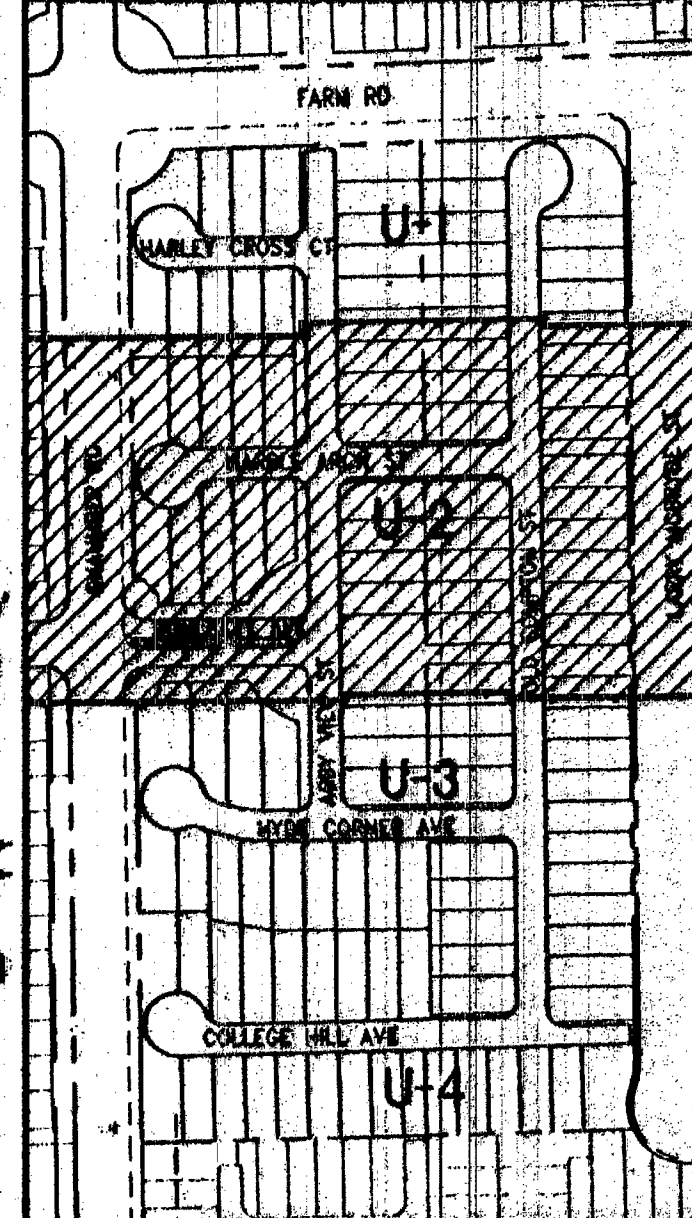
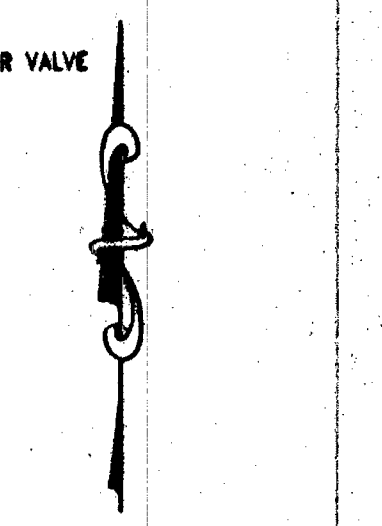
NO STRUCTURES, TREES, OR VEGETATION TALLER THAN THREE FEET ALLOWED WITHIN CLV SEWER EASEMENT

BACKWATER VALVE

ALL LOTS WITH THIS SYMBOL REQUIRE A BACKWATER VALVE

PRESSURE REDUCING VALVE (ALL LOTS)

ALL LOTS WITH THIS SYMBOL REQUIRE A PRESSURE REDUCING VALVE



WATER NOTE FOR ALL LOTS

- THIS PROJECT RESIDES WITHIN THE 3205 WATER ZONE. THEREFORE ALL LOTS WITH A FINISH FLOOR ELEVATION LESS THAN 3020.39 WILL REQUIRE AN INDIVIDUAL, ON-SITE (PRIVATE) PRESSURE REDUCING VALVE.
- THIS PROPERTY DOES HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THEREFORE THE LOTS WITHIN THIS PROJECT REQUIRE PRESSURE REDUCING VALVES. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRIVATE ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LIVING FACILITIES. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

WATER MAIN JOINT DEFLECTION (PVC 8-24")

PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1,150 FEET. PER UDACS 2.07.01 AND 2.07.02

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

NOTE:
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING PER UDACS PLATE NO. 13

EXISTING UTILITY NOTES

- EXISTING UTILITIES AS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY BOTH VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. ENGINEER ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN INCORRECTLY OR OTHERWISE.

WATER MAIN JOINT DEFLECTION (PVC 8-24")

PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1,150 FEET. PER UDACS 2.07.01 AND 2.07.02

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

NOTE:
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING PER UDACS PLATE NO. 13

SEWER LATERAL NOTES

- WATER AND SEWER LATERAL STATIONS SHOWN ON THIS PLAN SET ARE CALCULATED AT THE BACK OF CURB.

WATER MAIN FLOW CALCULATION

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL

118 CM (118 LOTS) @ 250 GPM @ 0.025 LOSS
= 9,022.5 GPM @ 0.025 LOSS PER FEET

BUILDING INFORMATION

TYPE OF CONSTRUCTION: SINGLE FAMILY RESIDENTIAL
TOTAL LIVING AREA: < 4,800 S.F.
TOTAL S.F. UNDER ROOF: < 4,800 S.F.
NUMBER OF STORIES: 2
BUILDING USE: SINGLE FAMILY RESIDENTIAL
SPRINKLER: NO
NUMBER OF FIRE HYDRANTS: 9
FIRE FLOW: 1,750 GPM AT 20 PSI RESIDUAL

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR ANY APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVWD.

FIRE FLOW 1,750 GPM AT 20 PSI RESIDUAL

APPROVED FOR CONSTRUCTION

Las Vegas Valley Water District Engineering Services Manager

DATE: 11/5/13 PROJECT: 122131

LVWD APPROVED FIRE FLOW 1,750 GPM AT 20 PSI RESIDUAL

DATE: October 30, 2013

SCALE: 1"=30'

HEET: 11/5

WATER: 11/5

SEWER: 11/5

DESIGNED BY: AM

CHECKED BY: CEF

APPROVED BY: JES

PROJECT #: 122131

WEST END (AKA FARM AND SHAMBER)

CLIFFS EDGE POD 208

UTILITY PLAN (SHEET 2 OF 4)

CITY OF LAS VEGAS

LENNAR

2400 ALBERT STREET, SUITE 200, LAS VEGAS, NV 89169

PHONE: (702) 796-1000 FAX: (702) 796-1001

RCI

Engineering

2400 ALBERT STREET, SUITE 200, LAS VEGAS, NV 89169

PHONE: (702) 796-1000 FAX: (702) 796-1001

ASBUILT

SCHOOL BOARD OF TRUSTEES

APN #126-13-301-018

U-2

SHEET 14 OF 40

CLV PROJECT NUMBER: 50045