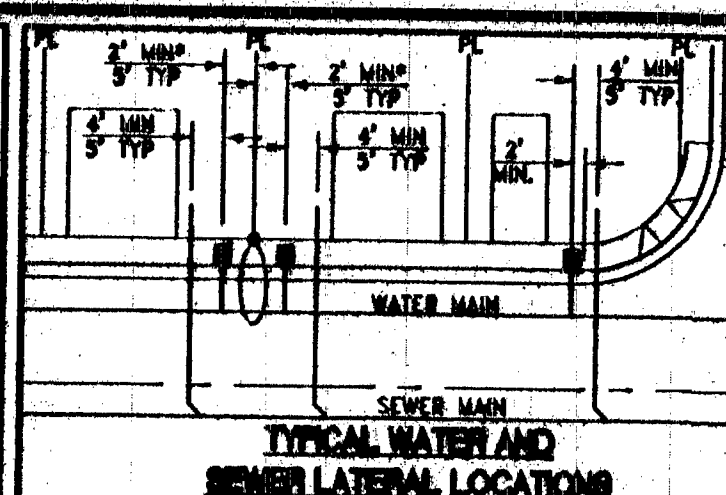
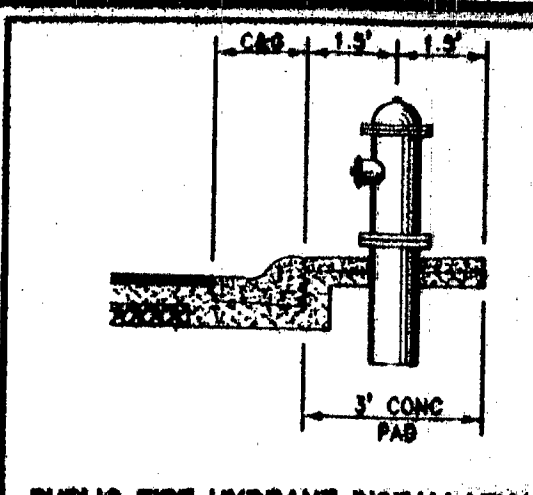


DISCLAIMER NOTE

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 VERIFY LOCATION OF ANY CHANGES OF DISCREPANCIES.

Call before you dig
1-800-227-2869
Nevada Power
Environment and Safety
Services Department



REDUCED PRESSURE PRINCIPLE ASSEMBLY ON T

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY SHALL BE INSTALLED PER THE UDACS PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNLESS THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LIVING. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT TO ALLOW THE DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENT SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

WATER CONSTRUCTION NOTES

1. INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE No. 40 (INCLUDES 6" GATE VALVE)
2. REMOVE EXISTING 8" CAP AND 2" BLOWOFF AND CONNECT TO EXISTING 8" WATER MAIN PER UDACS PLATE 38
3. INSTALL 8" GATE VALVE PER UDACS PLATE No. 30 & No. 30
4. INSTALL 8" X 6" TEE PER UDACS PLATE No. 31
5. INSTALL 8" X 6" TEE PER UDACS PLATE No. 31
6. INSTALL 8" X 6" REDUCER PER UDACS PLATE No. 30
7. INSTALL 8" CAP WITH 2" BLOW OFF ASSEMBLY PER UDACS PLATE No. 38
8. PER UDACS PLATE No. 31
9. INSTALL 1" COPPER SERVICE LATERAL WITH 3/4" WATER METER FOR IRRIGATION WITH 1" TEE PER UDACS PLATE No. 3 & 2
10. 1" BRASS WATERLINE BETWEEN METER AND TEE
11. INSTALL (2) 4" SCHEDULE 40 PVC IRRIGATION SLEEVES
12. INSTALL 8" X 8" CROSS PER UDACS PLATE No. 31
13. INSTALL 8" 45° BEND PER UDACS PLATE No. 31
14. INSTALL 8" 90° WITH RESTRAINT JOINTS
15. INSTALL 8" 11.25° BEND PER UDACS PLATE No. 31
16. COMMON ELEMENT/EASEMENT REQUIREMENTS PER NOTES AND TEST STATION DETAIL ON SHEET MU-1
17. INSTALL 8" 90° BEND WITH RESTRAINT JOINTS

SEWER CONSTRUCTION NOTES

1. INSTALL 4" STANDARD MANHOLE (PER DCSWCS STD. No. 21) SD-TA SD-4, SD-5 & SD-6
2. INSTALL 4" SEWER LATERAL (PER DCSWCS STD. No. SD-17, SD-22 & SD-23) AND 1 1/2" TEE THRU BLOCK & CLIP
3. TYPICAL LOCATION FOR SEWER LATERAL AT WATER MAIN CROSSING
4. ALL SEWER LATERALS MUST MAINTAIN 24" VERTICAL CLEARANCE BELOW WATER MAIN AT CROSSING

BENCHMARK
CITY OF LAS VEGAS BENCHMARK 15190 15190
RIVET & PLATE TOP CURB NE CORNER SHAMBER ROAD (LANSFORD ST.) AND FARM ROAD.
ELEVATION=915.085 METERS
ELEVATION=3002.24 U.S. SURVEY FEET
NAD83 CITY OF LAS VEGAS 2008 VERTICAL ADJUSTMENT

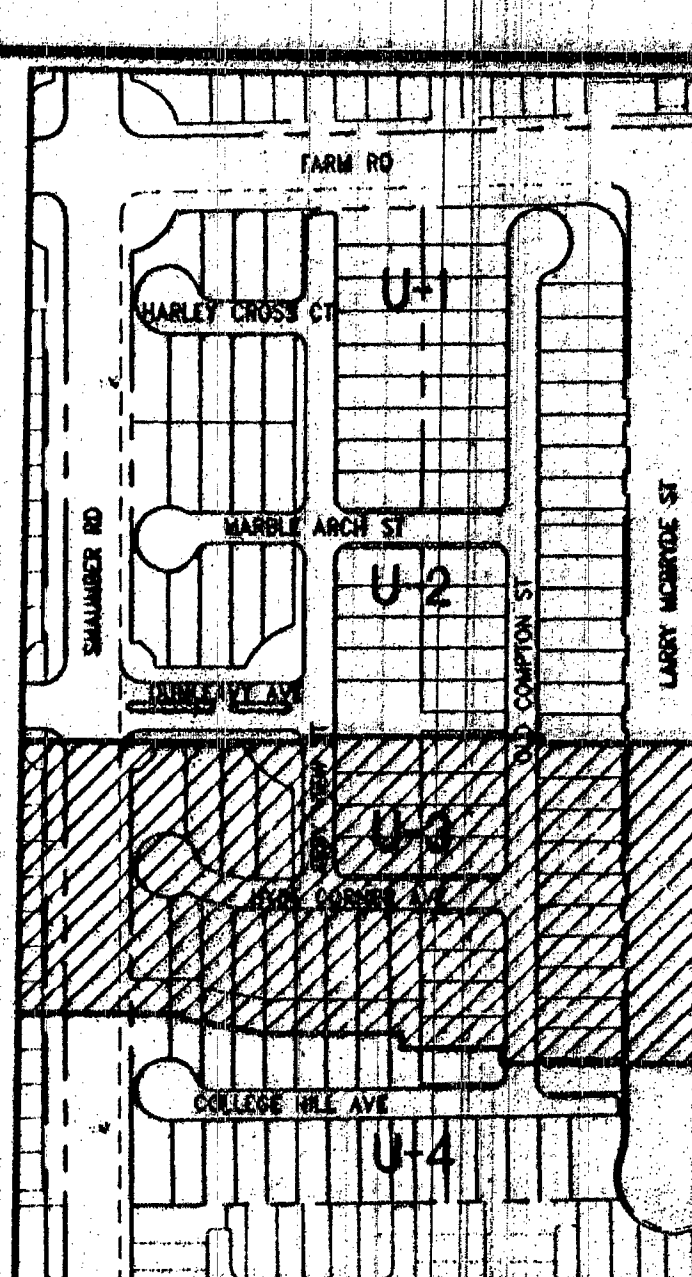
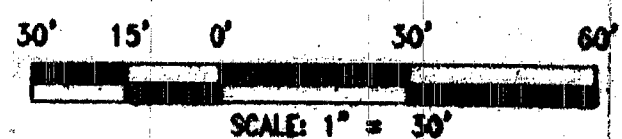
NAME OF BEARING
NORTH 89°47'30" EAST BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 12, TOWNSHIP 21 SOUTH, RANGE 60 EAST, N.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE IN FILE 27 OF PARCELS MAPS, AT PAGE 34.

BACKFLOW VALVE
ALL LOTS WITH THIS SYMBOL REQUIRE A BACKFLOW VALVE

REDUCING VALVE (ALL LOTS)
ALL LOTS WITH THIS SYMBOL REQUIRE A PRESSURE REDUCING VALVE

SEWER EASEMENT NOTE

ALL ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF TITLE 19.06 AND 19.08.
NO STRUCTURES, TREES, OR VEGETATION TALLER THAN THREE FEET ALLOWED WITHIN CLV SEWER EASEMENT



DATE	BY	DESCRIPTION
08/08/2013	U-3	U-3
08/08/2013	U-3	U-3
08/08/2013	U-3	U-3
08/08/2013	U-3	U-3
08/08/2013	U-3	U-3
08/08/2013	U-3	U-3
08/08/2013	U-3	U-3
08/08/2013	U-3	U-3
08/08/2013	U-3	U-3
08/08/2013	U-3	U-3

DATE: 08/08/2013
HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=10'
DRAWN BY: U-3
CHECKED BY: U-3
APPROVED BY: U-3
PROJECT #: 12113

LENNAR
2000 LAS VEGAS BLVD., SUITE 200
LAS VEGAS, NV 89168
(702) 799-0000
RCI
Engineering
2000 LAS VEGAS BLVD., SUITE 200
LAS VEGAS, NV 89168
(702) 799-0000

NEVADA
WEST END (AKA FARM AND SHAMBER)
CLIFFS EDGE POD 208
UTILITY PLAN (SHEET 3 OF 4)

CITY OF LAS VEGAS
10/20/13
DRAWING
U-3
SHEET 15 OF 40
CLV PROJECT NUMBER 12113

MATCHLINE SEE SHEET U-2

MATCHLINE SEE SHEET U-2

MATCHLINE SEE SHEET U-4

MATCHLINE SEE SHEET U-4

WATER NOTE FOR ALL LOTS
1. 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.
2. 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 VALVES 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 4-24)
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. 15

SEWERING UTILITY NOTES
1. 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 NOT SHOWN.
2. ADJUST WATER VALVE BOXES TO FINISH GRADE PER UDACS PLATE No. 38. VALVES SHALL BE ACCESSIBLE AT ALL TIMES.
3. ALL SEWER/STORM DRAINS CROSSING WATERLINES MUST CONFORM TO SECTION 2.22 OF UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES.
4. ALL WATER PIPE DIMENSIONS SHOWN ARE GIVEN FROM FITTING TO FITTING AND ARE FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

UTILITY LATERAL NOTES
WATER AND SEWER LATERAL STATIONS SHOWN ON THIS PLAN SET ARE CALCULATED AT THE BACK OF CURB.
WATER MAIN FLOW CALCULATION
CALCULATIONS:
118 EMU (118 LOTS) + 250 GPM = .0295 MG
S. 0.0295 MG S.S. = 6.108 MG PER DAY
BUILDING INFORMATION
TYPE OF CONSTRUCTION: V-B
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: 8
FIRE FLOW: 1,750 GPM AT 20 PSI RESIDUAL

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL
10/31/13
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 LIVING.
FIRE FLOW 1,750 GPM AT 20 PSI RESIDUAL

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: 11/11/13
PROJECT: 12113
LIVING APPROVED FIRE FLOW 1,750 GPM AT 20 PSI RESIDUAL