

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS 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 CHANGES OR DISCREPANCIES.

Call
811

FAST

 **Call**
before you

UnderGround
1-702-432-5300

**FREEWAY AND ARTERIAL
SYSTEM OF TRANSPORTATION**

CALL BEFORE YOU DO OVERHEAD

1-702-227-2929

CITY OF LAS VEGAS BENCHMARK 7LV09 34SW6

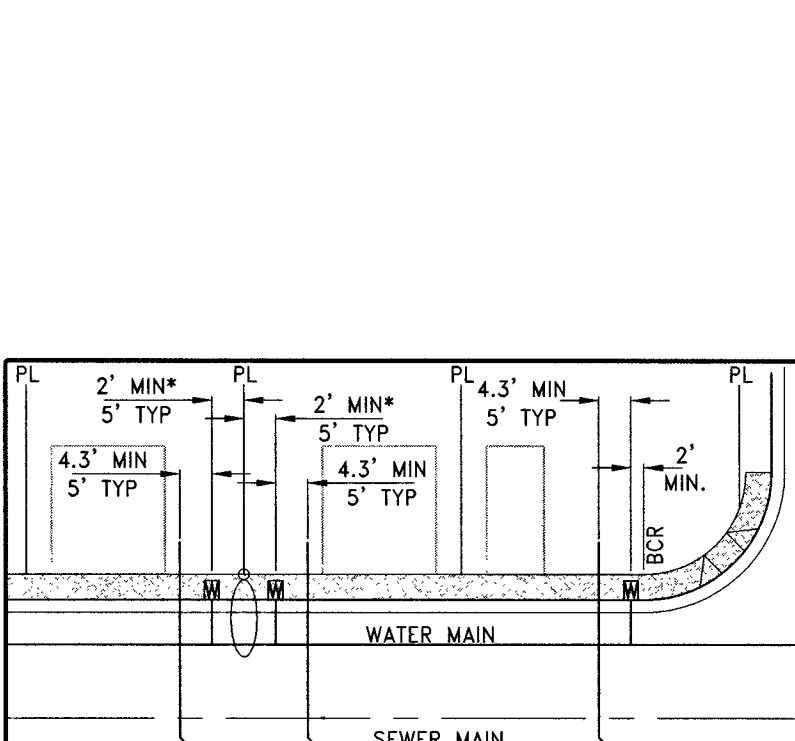
ELEVATION = 1011.422 METERS (NAVD '88)
ELEVATION = 3318.31 US SURVEY FEET (NAVD '88)

NORTH 88°47'20" 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, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CL PAGE 71 OF PLATS.

- 4 INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE No. 40 (INCLUDES 6" GATE VALVE)
- 5 INSTALL 1" COPPER SERVICE LATERAL WITH 3/4" WATER PER UDACS PLATE No. 1
- 6 INSTALL GATE VALVE (SAME SIZE AS PIPE) PER UDACS PLATE No. 30
- 7 INSTALL 8" x 6" TEE PER UDACS PLATE No. 31
- 8 INSTALL 8" x 8" TEE PER UDACS PLATE No. 31
- 9 INSTALL 8" x 6" REDUCER PER UDACS PLATE No. 30
- 10 INSTALL 12" x 8" REDUCER PER UDACS PLATE No. 30
- 11 INSTALL CAP (SAME SIZE AS PIPE) WITH 2" BLOW OFF ASSEMBLY PER UDACS PLATE No. 26
- 12 INSTALL 1" COPPER SERVICE LATERAL WITH 1.5" WATER METER (FOR IRRIGATION) WITH 1.5" RPPA PER UDACS PLATE No. 4 & 8 (1.5" BRASS WATERLINE BETWEEN METER AND RPPA) AND 1/2" DRAIN
- 13 INSTALL 10" x 6" REDUCER PER UDACS PLATE No. 30
- 14 INSTALL 1" COPPER SERVICE LATERAL WITH 3/4" WATER METER FOR IRRIGATION WITH 1.5" RPPA PER UDACS PLATE No. 4 & 8 (1" BRASS WATERLINE BETWEEN METER AND RPPA) AND 1/2" DRAIN
- 15 INSTALL 5" BEND (SAME SIZE AS PIPE) PER UDACS PLATE No. 31
- 16 INSTALL 11.25" BEND (SAME SIZE AS PIPE) PER UDACS PLATE No. 31
- 17 INSTALL 11.25" BEND (SAME SIZE AS PIPE) PER UDACS PLATE No. 31
- 18 INSTALL 10" x 8" REDUCER PER UDACS PLATE No. 30
- 19 INSTALL 45° BEND (SAME SIZE AS PIPE) PER UDACS PLATE No. 31
- 20 REMOVE EXISTING 12" AND BLOWDOWN AND CONNECT TO EXISTING WATER MAIN PER UDACS PLATE No. 1
- 21 INSTALL 10" x 10" TEE PER UDACS PLATE No. 31
- 22 INSTALL 1" COPPER SERVICE LATERAL WITH 3/4" WATER BEHIND METER WITH 1.5" RPPA PER UDACS PLATE No. 4 & 8 (1" BRASS WATERLINE BETWEEN METER AND RPPA) AND 1/2" DRAIN
- 23 INSTALL 11.25" MECHANICALLY RESTRAINED JOINT BEND (SAME SIZE AS PIPE)
- 24 INSTALL 11.25" MECHANICALLY RESTRAINED JOINT BEND (SAME SIZE AS PIPE)
- 25 INSTALL 11.25" VERTICAL BEND (SAME SIZE AS PIPE) PER UDACS PLATE No. 31
- 26 INSTALL 11.25" VERTICAL BEND (SAME SIZE AS PIPE) PER UDACS PLATE No. 31
- 27 INSTALL 45° MECHANICALLY RESTRAINED JOINT BEND (SAME SIZE AS PIPE)

21	INSTALL 48" STANDARD MANHOLE (PER DCSWS STD. No. SD-1A, SD-4, SD-5 & SD-8) WITH SINGLE 24" LID
22	INSTALL 4" SEWER LATERAL (PER DCSWS STD No. SD-17, SD-22 & SD-25) AND 1 CU-FT THRUST BLOCK & CAP
23	TYPICAL LOCATION FOR SEWER LATERAL AT WATER MAIN CROSSING. ALL SEWER LATERALS MUST MAINTAIN 24" VERTICAL CLEARANCE BELOW WATER MAIN AT CROSSING
24	INSTALL 8" SEWER CAP AND 1 CU-FT THRUST BLOCK & CAP PER DCSWS SPEC. 2.2.5
25	INSTALL 48" STANDARD MANHOLE (PER DCSWS STD. No. SD-1A, SD-1B, SD-4, SD-5 & SD-9) WITH SINGLE 24" LID CORROSION RESISTANT
26	INSTALL 4" SEWER LATERAL (FUTURE USE) (PER DCSWS STD No. SD-17, SD-22 & SD-25) AND 1 CU-FT THRUST BLOCK & CAP

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



*MINIMUM SEPARATION OF 5-FEET REQUIRED FROM STREET LIGHT CENTER TO WATER METER BOX CENTER

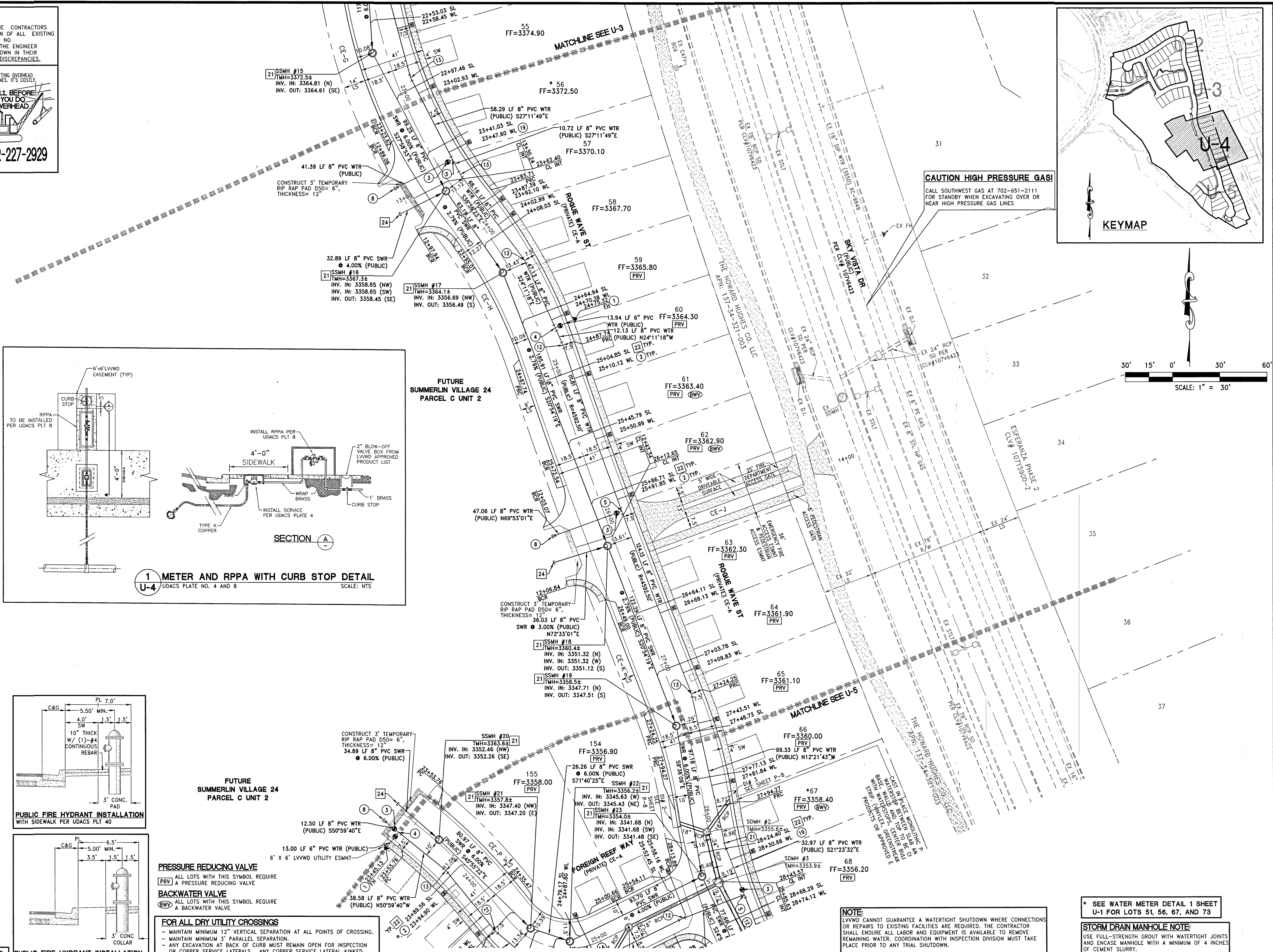
WATER MAIN JOINT DEFLECTION, PER UDACS 2.07.01 AND

NOTE:
INSTALL PIPELINE MARKER BALLS, PER UDACS PLATE NO. 15

1. THIS PROJECT RESIDES WITHIN THE 3550 WATER ZONE. THEREFORE ALL LOTS WITH A FINISH FLOOR ELEVATION LESS THAN 3366.39 WILL REQUIRE AN INDIVIDUAL, ON SITE (PRIVATE) PRESSURE REDUCING VALVE.

LOTS: 59-82, 154 AND 155

THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. TH UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE-REDUCING VALVES (PRV) BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.



NOTE:
LVVWD CANNOT GUARANTEE A WATERTIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE REMAINING WATER. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY TRIAL SHUTDOWN.

CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPOINTMENTS ARE AVAILABLE.

* SEE WATER METER DETAIL 1 SHEET
U-1 FOR LOTS 51, 56, 67, AND 73

STORM DRAIN MANHOLE NOTE:
USE FULL-STRENGTH GROUT WITH WATERTIGHT JOINTS
AND ENCASE MANHOLE WITH A MINIMUM OF 4 INCHES
OF CEMENT SLURRY.

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL

[Signature] 11/14/17

BY: _____ DATE _____

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 LVVDD.

FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL

APPROVED FOR CONSTRUCTION

[Signature]

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

PROJECT NO. 125867 FIRST APPROVED DATE: 11/16/11

LVVWD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL

REV	DESCRIPTION	BY	APPD	DATE
1	DATE: November 13, 2017 HORIZ. SCALE: 1"=30'			
2	VERT. SCALE: N/A			
3	DRAWN BY: DU			
4	DESIGNED BY: AW			
5	CHECKED BY: CRZ			
6	IN CHARGE: CRZ			
7	APPROVED BY: CRZ			
8	PROJECT # : 170620048			

LENNAR®
 2490 PASEO VERDE PARKWAY SUITE 120 HENDERSON, NV 89074
 PHONE: (702) 736-9100 FAX: (702) 736-9200

RCI *Engineering*
 4325 DEAN MARTIN DR, SUITE 300, Las Vegas, NV 89103
 PHF702.453.0800 FAX#702.453.0801

IMPROVEMENT PLANS FOR
IRLIN VILLAGE 24 PARCEL C UNIT 1
INGLE FAMILY RESIDENTIAL SUBDIVISION
 UTILITY PLAN (SHEET 4 OF 5)

SUMMIT
A SINC
CITY OF LAS VEGAS

ENGINEER
CHRISTOPHER R.
ZRINYI
Exp. 6/30/2018
CIVIL
PROFESSIONAL SEAL OF NEVADA
No. 15976

11-13-17
DRAWING
U-4
SHT 16 of 32
CLV DRAWING NUMBER
1075062-1
CLV PROJECT # L17-00668

\\3040_LENRF\0048_V24 Parcel C\ _CIVIL\ _IPS\ UNIT ONE\ S0006_U-1.dwg czrinyi 11/13/17 11:29am : PROJ#:125867 AGR:116516 QS:137-34-SW XC: 11370